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Privileged access without luminosity

Giovanni Merlo

Williamson's anti-luminosity argument has been thought to be in tension with the doctrine that we enjoy privileged epistemic access to our own mental states. In this paper, I will argue that the tension is only apparent. Friends of privileged access who accept the conclusion of the argument need not give up the claim that our beliefs about our own mental states are mostly or invariably right, nor the view that mental states are epistemically available to us in a way that renders everything within our mind 'open to view' – arguably, two main pillars of their doctrine. What they need to reject is the idea that the mental is a realm whose 'determinacy' or 'fineness of grain' never escapes our appreciation. This idea – I will suggest – is not essential to privileged access and defenders of the doctrine should not be afraid to give it up.

According to a doctrine accepted by many philosophers, each of us enjoys *privileged access* to his or her own mind, meaning that "the kind of knowledge [we have of our] own mental (psychological) states, such as thoughts and feelings, is in principle not only fundamentally different from but also *superior* to the knowledge of [our] thoughts and feelings that is available to anyone else" (Alston 1971, 223; my emphasis).

That we enjoy this kind of epistemic privilege seems pre-theoretically plausible, and is an important presupposition of other well-established philosophical views – including certain brands of foundationalism,¹ and several accounts of the semantics and metaphysics of our ordinary discourse about the mental.² However, not everyone accepts the doctrine of privileged access. Some have challenged it by providing counterexamples – actual or possible cases where one fails to have any belief (or has incorrect beliefs) about this or that aspect of his or her mental life.³ Others have challenged it on theoretical grounds – for example, by showing that the alleged existence of privileged access would conflict with other plausible or independently motivated philosophical theses.⁴

Williamson's (1996; 2000, ch. 4) anti-luminosity argument raises a challenge of the second sort. Starting from seemingly innocuous premises, the argument brings out a tension between the widely accepted idea that knowledge is subject to a 'safety' constraint and the

¹ See, for instance, Chisholm (1966), McGrew (1995) and Fumerton (2009; 2018).

² I have in mind 'neo-expressivist' accounts like Bar-On's (2004) and Finkelstein's (2003) as well as 'constitutivist' accounts like Shoemaker's (1988) and Wright's (1989).

³ See, among others, Schwitzgebel (2006) and Snowdon (2012).

⁴ See, for instance, Boghossian's (1989) argument that privileged access conflicts with externalism about mental content.

claim that, whenever we are in a certain mental state, we know or are in a position to know that this is so. If the tension is genuine, it seems that the latter claim should be rejected. And once it is rejected, one is left to wonder how much of the doctrine of privileged access can be coherently upheld.

According to several philosophers, the answer to this question is: very little, if anything at all. For example, in his response to the anti-luminosity argument, Selim Berker writes:

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If Williamson is right [...] there is no substantive domain of mental [...] facts to which we have guaranteed access, no subportion of our mental [...] lives within which everything lies open to view. (Berker 2008, 2)

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Similarly, in her paper 'Are We Luminous?', Amia Srinivasan claims:

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If Williamson is right, then the common picture of the phenomenal realm as one of privileged access turns out to be a Cartesian orthodoxy from which philosophy must be cleansed (Srinivasan 2015, 294)⁵

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Berker and Srinivasan disagree on whether Williamson's argument succeeds, but they agree is that, if it does, we can no longer think of the mental as a realm of privileged access. By their lights, those who accept the conclusion of the argument must renounce the doctrine, and those who stick to the doctrine must find a way to resist the argument.⁶

My goal in this paper is to argue for a more conciliatory stance. I will not engage with (or try to improve on) the numerous attempts made so far to show that Williamson is wrong about luminosity. The claim I want to defend is that, even if we agree with Williamson, we can insist in thinking of the mind as a domain in which, as Berker puts it, 'everything lies open to view'. Others, before me, have pursued the same 'compatibilist' line, suggesting various fallback positions to which advocates of privileged access can retreat if they give up on the luminosity of the mental. But, as I will try to show in due course, what the existing proposals concede to Williamson is either too much or too little - too much, because their concessions make the doctrine of privileged access unnecessarily weak; too little, because they remove the conflict with the conclusion of the anti-luminosity argument, but not with its premises. The account I will outline is meant to remedy these problems, aiming for the maximum that defenders of privileged access can hope to retain compatibly, not only with the anti-luminosity point itself, but also with the line of reasoning that leads up to that point.

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One important upshot of my discussion will be that, as far as privileged access goes, the exact import of Williamson's argument has not been properly appreciated. What advocates of privileged access need to renounce is not the claim that our beliefs about our own mental states are mostly or invariably right, nor the view that mental states are epistemically available to us in a way that renders everything within our mind 'open to view' - arguably, two main

⁵ Srinivasan speaks of the phenomenal realm, but since phenomenal states are supposed to be among the most paradigmatic examples of mental states to which we have privileged access, her claim carries over to the mental realm at large.

⁶ Williamson himself encouraged this reading of the argument, directing his polemic against any philosophical temptation to 'postulate a realm of phenomena in which nothing is hidden from us' and noting that Descartes 'thought that one's mind is such a realm' (1996, 554).

⁷ For discussion, see Leitgeb (2002), Weatherson (2004), Wong (2008), Berker (2008), Ramachandran (2009), Vogel (2010), Cohen (2010), Zardini (2012; 2013), Srinivasan (2015), Barz (2017) and Duncan (2018).

pillars of their doctrine. What they need to renounce is the idea that the mental is a realm whose 'determinacy' or 'fineness of grain' never escapes our appreciation. This *is* an idea that Williamson's reasoning shows to be problematic – but it is also an idea that advocates of privileged access should not be afraid to give up – not least, because it is precisely by giving it up that one becomes able to conceive of the relation of privileged access as a relation of *knowledge*, in the proper sense of the term.

Here's how I shall proceed. In § 1, I will introduce the anti-luminosity argument. In § 2, I will distinguish two components of the idea that we enjoy privileged access to our own mental states – *authority* and *availability*. Since the anti-luminosity argument only threatens one of two types of availability – *rigid* availability, as I shall call it – I will concentrate my attention on the other type. In § 3, I will formulate a thesis of *flexible availability* that respects the conclusion of the anti-luminosity argument. In § 4, I will explain why I think that this thesis is superior to other fallback positions proposed so far. Finally, in § 5, I will come back to what I take it to be the real lesson of Williamson's argument – not that we don't have privileged access to our own mind, but that we never (or almost never) have access to our most specific mental conditions.

1. The anti-luminosity argument

Before presenting the anti-luminosity argument, it is necessary to introduce some of the terminology that Williamson employs in formulating it. The argument discusses luminosity, which is said to be a property of conditions. We are invited to think of a *condition* as something which can obtain or fail to obtain in various cases, where a *case* consists of a subject, a time and a possible world. A condition is *trivial* if it obtains in all cases or in no case at all, and it is *luminous* if, in every case in which it obtains, the subject is in a position to know that it does. To illustrate, the condition of being sitting is one that obtains in a case consisting of me, the present time and the actual world, and fails to obtain in many other cases. It is not a trivial condition because one is not always and necessarily sitting, and it is not a luminous condition because it is possible for one to be sitting without being in a position to know that one is sitting (for example, one may be blindfolded and under the effect of a drug that compromises one's proprioceptive skills).

Williamson's anti-luminosity argument aims to show that most non-trivial conditions are not luminous. In other words: unless a condition obtains in all cases or in no case at all, chances are that it is possible for one to be in that condition without being in a position to know that this is so. The argument proceeds in two steps: in the first, it is argued that a particular condition – the condition of feeling cold – is not luminous; in the second, this conclusion is extended to almost all non-trivial conditions.

Let us begin with the first step. To show that feeling cold is not luminous, Williamson invites us to imagine a cold morning during which:

[Switch] One goes from feeling cold to not feeling cold [Uniformity] One constantly pays attention to how cold one feels [Gradualness] One's confidence that one feels cold decreases very gradually.

⁸ More precisely, a condition is luminous if and only if, in every case in which it obtains *and the subject is in a position to wonder whether it obtains*, the subject is in a position to know that it obtains (see Williamson 1996, 556 and 2000, 12-13). I will leave this additional specification implicit hereafter.

2 shows that a contradiction follows if we combine Switch, Uniformity and Gradualness with: 3 4 [Luminosity] In every case in which one feels cold, one is in a position to know that one 5 feels cold. 6 7 The reasoning goes as follows. Given Switch, the first instant of Cold Morning is one at which 8 one feels cold: 9 10 (i) At t₀, one feels cold 11 12 Given Luminosity, (i) implies: 13 14 (ii) At t₀, one is in a position to know that one feels cold 15 16 Given Uniformity, (ii) implies: 17 18 (iii) At t₀, one knows that one feels cold 19 20 Now, suppose that knowledge is subject to a safety constraint: if one knows that p, one's confidence that p could not very easily be mistaken. 10 In particular: 21 22 23 [Safety cold] If one knows that one feels cold, one feels cold in every sufficiently similar 24 case in which one is almost equally confident that one feels cold. 11 25 26 Then consider an instant t₁ shortly after t₀. One's situation at t₁ is very similar to one's situation 27 at t₀. Moreover, given Gradualness, one's confidence that one feels cold doesn't change 28 significantly between t₀ and t₁. Hence, given Safety cold, (iii) implies: 29 30 (iv) At t₁, one feels cold 31 32 Repeating the reasoning from (i) to (iv) sufficiently many times, it would be possible to show 33 that one feels cold throughout Cold Morning. Since this would contradict Switch, we need to 34 deny one of our assumptions - and, according to Williamson, Luminosity is the obvious culprit. 35 Denying Luminosity is tantamount to admitting that it is possible for one to feel cold 36 without being in position to know that this is so. The second step of the argument generalizes 37 this conclusion to almost all non-trivial conditions. The key observation is that, for almost any 38 non-trivial condition C, we can imagine some scenario satisfying analogues of Switch, 39 Uniformity and Gradualness. In particular, this is possible if C is such that: 40 (a) One can be in C at some times and not others 41 (b) One can pay attention to whether one is in C while going from being in C to not being 42 in C

On the face of it, this scenario (call it 'Cold Morning') is perfectly coherent. But Williamson

⁹ But see Zardini (2012) for a critique of Gradualness.

¹⁰ Cf. Sosa (1999), Williamson (2000, ch. 4 and 5) and Pritchard (2005, ch. 6). Critics of the constraint include Comesaña (2005) and Bogardus (2014).

¹¹ Cf. Srinivasan's (CONFIDENCE-SAFETY) principle (2015, 309).

(c) One's confidence that one is in C can decrease gradually as one goes from being in C to not being in C.

Williamson notes that, aside from a few 'curiosities', the vast majority of non-trivial conditions satisfy (a), (b) and (c). Specifically, since most *mental* conditions allow for the kind of uniform and gradual transition that characterizes scenarios like Cold Morning, Williamson's argument would seem to show that:

[Anti-luminosity mental] For almost any mental condition M, it is possible for one to be in M without being in a position to know that one is in M.

Let us refer to this conclusion as the *anti-luminosity* of the mental. The question I want to address in this paper is a conditional one: supposing that this conclusion is correct and the argument leading up to it sound, what does this imply for the doctrine of privileged access? To get ourselves in a position to answer this question, we need to take a closer look at the doctrine itself.

2. Privileged access

Let us begin by thinking more carefully about the metaphor of privileged access. Since the metaphor speaks of the epistemic relationship each of us bears to his or her own mind, two different ideas can be associated with it, depending on which 'direction' of that relationship we focus on. On the one hand – if we focus on the subject-to-mind direction – there is the idea that the subject is mostly right about what is going on in his or her own mind. Let us call this (alleged) phenomenon *authority*. On the other hand – if we focus on the mind-to-subject direction – there is the idea that what is going on in the mind is mostly available for the subject to know it. Let us call this other (alleged) phenomenon *availability*. 13

To get an intuitive grasp of authority and availability, consider how – according to advocates of privileged access – tacit reliance on these phenomena contributes to shape ordinary practice. It is supposed to be a manifestation of our faith in authority that, if I tell you that I'm in pain (or that I intend to buy a house, or that I think that there will be a Third World War), you will typically take my word for it, unless you have reason to doubt my sincerity. Conversely, it is supposed to be a manifestation of our faith in availability that, if you are interested in finding out whether I'm in pain (or intend to buy a house, or think that there will be a Third World War), you will typically ask me, and expect me to be able knowledgeably to answer your question. These patterns mark a striking asymmetry between our knowledge of our own minds and our knowledge of other people's minds – for one's opinions about other people's sensations, intentions, beliefs etc. can easily be challenged, and nobody is expected, by default, to have such opinions in the first place.

A more precise characterization of authority and availability would require attention to two complications. First, it is controversial which epistemic notions, exactly, should be invoked when characterizing these (alleged) phenomena: I said that one is mostly 'right' about what is

¹² Authority corresponds to what Byrne (2005; 2018, 5-8) identifies as 'privileged access' *tout court*. For discussion, see, among others, Davidson (1984), Shoemaker (1988), Burge (1996), Gallois (1996, 1-30), Heal (2001), Moran (2001, 1-35), Wright (2001; 2015), and Coliva (2016, 62-66).

¹³ Availability corresponds to what has traditionally been called 'self-intimation' (cf. Ryle (1949, 148), Armstrong (1968, 101) and Margolis (1970)). For more recent discussion, see Shoemaker (2012) and Strawson (2015)) Cf. also Wright's (2015) 'salience', and Coliva's (2016, 58-62) 'transparency'.

going on in one's own mind, and that what's going on in the mind is mostly 'available for the subject to know it', but there are various ways of tweaking these claims by appealing to alternative notions – for example, epistemic justification instead of knowledge. Second, any plausible theses of authority or availability should be restricted to subjects that are rational and competent with the relevant concepts, and to circumstances where the subject's capacity to exercise concepts in judgment is not somehow diminished or impaired. But here, too, the exact scope of the restrictions is a matter of controversy. ¹⁴ To remain as neutral as possible on these points, I suggest we adopt the following formulations:

[Authority] In any cognitively normal circumstances, our beliefs about our own mental states are epistemically sound

[Availability] In any cognitively normal circumstances, our mental states are epistemically available to us

 Here 'epistemically sound' and 'epistemically available' are placeholders for the relevant epistemic notions, 'our' is meant to restrict attention to rational and conceptually competent subjects, and 'cognitively normal' rules out all (and only) those special circumstances – whatever they are – which may diminish or impair the subject's judgmental capacities. Note that these restrictions, however significant, do not remove the risk of a conflict between these theses and the anti-luminosity argument, for one can always make it part of the description of scenarios like Cold Morning that the restrictions are satisfied. So, the risk of conflict should be taken seriously: does the anti-luminosity argument threaten authority and/or availability, as formulated above?

Let us consider authority, first. It is not difficult to see that the anti-luminosity of the mental does not threaten this component of privileged access. Consider again the first step in Williamson's argument. What that step aims to show is that there is an instant during Cold Morning – call it t* – at which one feels cold without being in a position to know that one does. But this is perfectly compatible with thinking that there is no instant at which one believes that one feels cold and one's belief that one feels cold fails to be true, fails to be justified, fails to be knowledge, or fails to have whatever feature is stipulated to be necessary for 'epistemic soundness'. To see this, note that, for all that Williamson's argument assumes, t* could be an instant at which one doesn't form any belief at all about whether one feels cold. Even if one constantly pays attention to whether one feels cold (as Uniformity prescribes – see § 1), one can always decide to suspend judgment about whether or not one does. Indeed, it is not implausible to think that this is exactly what a rational subject would do in a scenario like Cold Morning: when one feels too warm to form the belief that one feels cold, but too cold to form the belief that one doesn't feel cold, one may simply decide not to commit one way or the other. The proponent of the anti-luminosity argument has no basis to assume that rational subjects never suspend judgment about (some of) their mental conditions. And she cannot turn this into a stipulation concerning the subject of Cold Morning - otherwise her argument

¹⁴ For discussion of the importance of these restrictions, see Wright (2015). To block counterexamples to availability and authority similar to those that Conee (2005, 448-449) uses against luminosity, one may also require that the subject not be in possession of defeating misleading evidence.

¹⁵ In this case, one will derive the stronger conclusion that, for any mental state M, it is possible for one to be M without being in a position to know that one is in M *even if one is a rational and conceptually competent subject operating in cognitively normal circumstances.* From now on, everything I will say about the anti-luminosity of the mental applies, equally, to this stronger thesis.

would lose force and interest. Therefore, there is no easy way of turning the anti-luminosity argument into an anti-*authority* argument.¹⁶

Let us, therefore, focus on the other component of privileged access, availability. Here the prospect of a conflict seems more realistic, so it becomes important to mention another complication involved in providing a precise formulation of the doctrine of privileged access. Any advocate of the doctrine access would readily concede that, even in cognitively normal circumstances, authority and availability are unlikely to apply, indiscriminately, to *all* mental states. What should go in the list of the exceptions is, itself, a controversial issue, but likely candidates include irrational or 'alienated' beliefs, phenomenally unconscious experiences and, possibly, mental states that are 'dispositional' rather than 'occurrent'. The entry if privileged access applies, not to all mental states, but only to some of them, we should be careful to distinguish two logically independent readings of the claim that, in any cognitively normal circumstances, our mental states are epistemically available to us. On one reading (letting the existential quantifier take wide scope over the universal one) one would be saying, of some mental states, that they are epistemically available to us in any cognitively normal circumstances in which they obtain. Let us call this *rigid* availability:

(Availability rigid) There are some mental states such that, in any cognitively normal circumstances where they obtain, they are epistemically available to us

On the other reading (letting the universal quantifier take wide scope, instead) one would be saying that, in any cognitively normal circumstances, some mental states are epistemically available to us. Let us call this *flexible* availability:

(Availability $_{\text{flexible}}$) In any cognitively normal circumstances, some mental states are epistemically available to us

To appreciate the difference between rigid and flexible availability, think again about the condition of feeling cold. If, contrary to Williamson's argument, that condition turned out to be luminous, this would constitute a kind of rigid availability: it would mean that we are in a position to know that we feel cold (i.e. that the condition is, in the relevant sense, 'epistemically available' to us) whenever we do (i.e. 'in any cognitively normal circumstance where the condition obtains'). The rigid character of this kind of availability is aptly captured by Williamson's metaphor of a *cognitive home* – a fixed place that affords us an epistemic privilege as long as we stay within its boundaries. Nothing of this sort is required by flexible availability. The claim that, in any cognitively normal circumstances, some mental states are epistemically available to us leaves open the possibility that what mental states are so available may vary from one circumstance to another. In this case, we may speak, not of a

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¹⁶ This conclusion generalizes a point made by Srinivasan (2015). Srinivasan shows that one can agree with Williamson about the anti-luminosity of the mental while holding that our beliefs about our own mental states are constitutively guaranteed to be *correct* (2015, 308-316). My point is that one can agree with Williamson even if one holds that our beliefs about our own mental states are constitutively guaranteed to qualify as *knowledge* (or to be, in any other sense, epistemically sound).

¹⁷ See Gertler (2011, 70-82). For the notion of an 'alienated' belief see Moran (2001) and Burge (1996, 111-114).

cognitive home, but of a *cognitive halo* – an epistemic privilege that 'surrounds' us in every situation, affording us access to potentially different sets of mental states at different times.¹⁸

Now, I think it should be admitted that the anti-luminosity argument leaves only very limited room for conceiving of availability in rigid terms. We know that the argument rules out luminosity for almost all mental conditions. If one is interested in advocating a kind of rigid availability that does not apply only to trivial conditions and other 'curiosities', one could gloss 'epistemic availability' in term of notions other than that of being in a position to know. For example, one might say that our mental conditions are correctly believed (rather than known) by us to be present whenever they are. 19 Alternatively, one might say that our mental states are epistemically available to us, not in any (cognitively normal) circumstance whatsoever, but only in any favourable circumstances - where a circumstance qualifies as 'favourable' if (besides being cognitively normal) it presents us with a particularly intense, clear or vivid specimen of the relevant mental state. However, neither of these strategies seems especially attractive for an advocate of privileged access. Epistemic availability is naturally understood as availability for knowledge - so, in articulating this aspect of privileged access, it seems appropriate to stick to Williamson's notion of being in a position to know. As to restricting availability to 'favourable' circumstances, we shall see, in § 4, that this move leaves advocates of privileged access in a much weaker position and/or fails to solve all their problems.

These difficulties should, I think, encourage interest in a different approach: defending the compatibility of the anti-luminosity of the mental with the doctrine of privileged access by advocating a certain sort of flexible availability. It is to this approach that I shall now turn.

3. Our cognitive halo

I associated flexible availability with the idea that we are surrounded, not by a cognitive home, but by a cognitive halo. Let us try to make this idea more precise by formulating it in Williamson's own terms. Availability 'in any cognitively normal circumstance' can be understood as availability in every cognitively normal case, where a case is defined as cognitively normal if, and only if, it involves a rational and conceptually competent subject whose judgmental capacities are not impaired or diminished. Following Williamson, we can think of mental states as conditions, and gloss the idea that a condition is 'available' (in a given case) by saying that the subject of the case is in a position to know that that condition obtains (in that case). These stipulations give us the following flexible availability thesis:

(1) In every cognitively normal case g, there is some mental condition M such that one is in a position know that M obtains in g

This is a rather weak thesis – for example, the mere fact that, in every cognitively normal case, one knows (or is in a position to know) that one feels something would be enough to make it true. To arrive at a more substantive form of flexible availability, we need to specify *what kind*

¹⁸ There are some similarities between the idea of a cognitive halo and Greco's (2017) idea of a mobile cognitive home – but because Greco's idea, unlike mine, rests on a contextualist account of, e.g., what criteria evidence propositions must meet to be rationally updated upon, I preferred to adopt a different terminology.

¹⁹ The notion of justified (rather than true) belief may also be invoked in this context, as in Berker's (2008) 'lustrousness' thesis. See also Smithies's suggestion that we should retreat from a 'doxastic' to a purely 'epistemic' notion of luminosity (Smithies 2019, ch. 11).

of mental conditions are within our epistemic grasp in various cases. Are they all as generic and unspecific as the condition of feeling something, or can they be more discriminating than that?

It is useful to start by fixing an upper limit for the specificity of our cognitive halo. Suppose we call a mental condition *maximally specific* if it is maximally discriminating – that is to say, if it discriminates between any two mentally different cases, no matter how similar they are. To illustrate, consider one of my mental conditions in the actual world at the present time – the complex condition consisting of my feeling tired, happy and somewhat thirsty, while entertaining various propositions concerning Williamson's argument. This condition is more discriminating than the condition of feeling something, but it falls short of maximal specificity because it doesn't discriminate between, e.g., cases where one merely *entertains* various propositions concerning Williamson's argument and cases where one entertains *and endorses* those propositions. Maximal specificity requires maximal discrimination.²⁰

Let us suppose for a moment that our cognitive halo gave us access to our maximally specific mental conditions. We would then have:

(2) In any cognitively normal case g, if M is one's maximally specific mental condition in g, one is in a position to know that M obtains in g

Clearly, a maximally specific mental condition qualifies as maximally specific in every case in which it obtains. So (2) implies that, for any maximally specific mental condition M:

(3) In any cognitively normal case g, if M obtains, one is in a position to know that M obtains in g

But of we accept the spirit of the anti-luminosity argument, we should steer clear of any thesis like (3) (for remember that a proponent of the anti-luminosity argument can always make it part of the description of scenarios like Cold Morning that they involve only cognitively normal cases). So (2) must be rejected – which means that our flexible availability thesis should say something along the following lines:

- (4) In any cognitively normal case g, there is some less than maximally specific mental condition M such that one is in a position know that M obtains in g
- (4) fixes the upper specificity limit of our cognitive halo. Let us now try to fix the lower one. One natural idea, here, is to take inspiration from Berker's slogan: in specifying the nature of our cognitive halo, we want to be able to say that the kind of mental conditions to which our halo gives us access are specific enough to guarantee that *everything* within our mind 'lies open to view'. Clearly, we are not going to be able to say anything of this sort if, having conceded that almost no mental condition is luminous, we take 'everything' to range over atomic mental facts facts consisting in the instantiation by the subject of some such condition. Fortunately, however, such reading of 'everything' is not the only possible one nor the most natural for anyone but an expert in the metaphysics of mind. What we want to capture is the general idea that our access to our own mind is, in some suitable sense, *comprehensive* and comprehensiveness need not require omniscience or absolute precision.

²⁰ Cf. Williamson's notion of a maximally specific phenomenal character (Williamson 1990, 48).

An analogy will help to bring this point into focus. Imagine a weather station that can measure, with high but less than perfect precision, all the meteorological parameters at its location – pressure, temperature, wind speed, humidity and the like. The weather station is made of incorruptible steel and nobody (and nothing) can temper with it. Now imagine being the owner of that weather station. One could say that, as far as the weather is concerned, everything 'lies open to view' for you: at any moment, you can know, with high though less perfect precision, what the pressure, temperature, wind speed and humidity are at your location. It's true that some atomic weather facts can't be determined by your station: for example, you may be in a position to know that the speed wind at your location is between 12.3 and 12.5 mph, but not that it is exactly 12.43 mph (or, say, between 12.4 and 12.6 mph). However, few would regard this as the kind of limitation to your access to the weather conditions that renders your knowledge of the weather less than comprehensive. Even if some atomic weather facts escape of your appreciation, there is a clear sense in which no aspect of the weather does.

I want to suggest that something closely analogous may be said by an advocate of privileged access: even if our cognitive halo doesn't guarantee access to each atomic mental fact, it may still secure comprehensive knowledge of every aspect of our mental life. To finesse this response, what we need is an intuitive account of what an *aspect* is, such that knowledge of all the aspects of x doesn't require knowledge of all the atomic facts concerning x. Here is, in broad outline, an account that does the job.

Let us think of aspects as corresponding to *open questions* concerning the subject matter of which they are aspects – the kind of questions that admits of correct answers with varying degrees of specificity. When the subject matter is the weather at a certain location L, such questions could be:

What is the air pressure at L?
What is the temperature at L?
What is the wind speed at L?
What is the humidity at L?

. . . .

In the case of one's mental life, they would be:

How do you feel? What are you thinking about? What do you believe? What do you want?

Obviously, not just *every* open question about the weather corresponds to an aspect of the weather in the intuitive sense of 'aspect' we're working with – the questions that do are, roughly, those that are of interest to meteorologists. Similarly, not just every question about one's mental life will correspond to an 'aspect' of it – the questions that do are, roughly, those that a psychologist might want to investigate. These include both such broad questions as the ones listed above and more narrow questions like 'How *cold* do you feel?', 'What do you believe *concerning Brexit*?' and 'What do you want to do *about the cheese in the fridge*?'. Open questions concerning all sorts of extrinsic, unnatural, gerrymandered or so-called 'Cambridge' properties of one's mental life will *not* correspond to aspects of it.

If we understand aspects in terms of open questions, we should take knowledge of aspects to involve the ability satisfactorily to answer those questions. Some answers to the question 'What is the wind speed at L?' are incorrect or unacceptably generic. But for the purposes of everyday 'folk meteorology', 'Between 12.3 and 12.5 mph' is a perfectly satisfactory answer (when the actual wind speed is, say, 12.43 mph). Similarly, if I ask you 'How cold do you feel?', the answer 'I feel barely cold' is perfectly satisfactory by the standards of ordinary 'folk psychology' (when you feel cold without feeling very cold). More generally, let us say that your knowledge of a certain aspect of your mental life is *satisfactory* when you can answer the corresponding question in a way that is folk-psychologically satisfactory.

We are now in a position to formulate a flexible availability thesis according to which our access to our own minds is just as comprehensive as your access to the weather in the analogy described above:

[Comprehensive Flexible Availability] In any cognitively normal case g, for every aspect of one's mental life A, there is some (less than maximally specific) mental condition M such that one is in a position know that M obtains in g and such knowledge constitutes satisfactory knowledge of A.

Let us call this thesis *Comprehensive Flexible Availability*. What it says is that, at any moment of our life, our cognitive halo (though less than maximally specific) is specific enough to ensure that we can satisfactorily describe every aspect of our mind at that moment.

To illustrate the implications of this thesis, consider again Cold Morning. Recall that, if Williamson is right, there is an instant during Cold Morning (we've call it t*) when one feels cold without being in a position to know that one does. Advocates of Comprehensive Flexible Availability will say that, even if this is so, there remain plenty of *other* mental conditions that one is in a position to knowledgeably self-ascribe at t* – for example, the condition of feeling barely cold. They will then point out that, since knowledge of the fact that one feels barely cold constitutes satisfactory knowledge of the *same* aspect of one's mind as knowledge of the fact that one feels cold would (namely, an aspect corresponding to the question 'How cold do you feel?') nothing of substance is lost if we accept that a subject who is in a position to attain the former piece of knowledge is not in a position to attain the latter.

The general point is that Comprehensive Flexible Availability can be shown to imply:

(5) In any C-normal case g, for any mental condition M concerning an aspect A of one's mental life, if M obtains in g and one is *not* in a position to know that this is so, there is another mental condition M' such that one is in a position to know that M' obtains in g and such knowledge constitutes satisfactory knowledge of A.

(5) says that whatever knowledge is 'lost' due to the anti-luminosity of the mental can always be satisfactorily 'replaced' by other knowledge concerning the same aspect of one's mind.

Let me be perfectly clear about the nature of this result. I am not suggesting that (5) or Comprehensive Flexible Availability hold true. In fact (though I have some sympathy for these claims) I haven't offered any argument or reason to think that they hold true. My aim here is simply to articulate a form of availability that advocates of privileged access can appeal to if they are interested in reconciling their doctrine with Williamson's anti-luminosity. The task for the next section is to explain why, as far as *this* task goes, Comprehensive Flexible Availability should be preferred to the main fallback availability theses discussed so far in the literature responding to Williamson.

4. Rigid availability fallbacks

Suppose that, instead of adopting the idea of a cognitive halo, we insist on thinking of availability in rigid terms. If we are persuaded by the anti-luminosity argument and don't want our rigid availability thesis to apply only to trivial conditions and other 'curiosities', we may be tempted simply to restrict the range of circumstances in which the relevant mental states are said to be epistemically available to the subject – that is to say (if we gloss 'epistemic availability' in the simplest and most natural way) the range of circumstances in which the subject is in a position to know. This can be done in various ways.

One idea, inspired by DeRose (2002, 576) is to say that any mental condition M is *weakly luminous*, meaning that:

[Weak Luminosity] In any cognitively normal case g in which M safely obtains, one is in a position to know that M obtains in g.

A second idea, inspired by Conee (2005, 450), is to say that any mental condition M is *centrally luminous*, meaning that:

[Central Luminosity] In any cognitively normal case g which is an exemplary case of M, one is in a position that M obtains in g.

The third and last idea, inspired by Hawthorne (2005, 454), is to say that any mental condition M is *cozy*, in the sense that:

[Coziness] In any cognitively normal case g in which M determinately obtains, one is in a position to know that M obtains in g.

I shall set Coziness aside because accepting this thesis would offer advocates of privileged access only very limited solace. Coziness implies luminosity for all precise mental conditions (these being conditions for which obtaining and determinately obtaining come down to the same thing). Thus, advocates of privileged access who accept both Coziness and the conclusion of the anti-luminosity argument are bound to say that there are no precise mental conditions (except the trivial ones). As Williamson points out, this claim is neither very plausible nor very congenial to the ideology of privileged access (Williamson 2005, 477-478). Neither Weak Luminosity nor Central Luminosity raise the same problem. I shall deal with Central Luminosity first, because DeRose's notion of a condition 'safely obtaining' requires special discussion.

One immediate problem with Central Luminosity is that, as stated, it is likely to have implications that contradict the conclusion (or the premises) of the anti-luminosity argument. To see this, take any maximally specific mental condition M*. It is hard to see how M* might obtain in a case without that case being exemplary of it: by hypothesis, M* is maximally specific, so it doesn't admit of various degrees of intensity, vividness, clarity and the like. But if every (C-normal) case in which M* obtains is exemplary M*, the central luminosity of M* reduces to its (C-)luminosity simpliciter – and we know that, if the anti-luminosity argument

²¹ For further discussion, see Zardini (2013) and McGlynn (2014, 161).

goes through, M* cannot be (C-)luminous. What's more, even conditions that are less than maximally specific may be just too specific to be centrally luminous – this will be so if our confidence that a certain mental condition obtains varies gradually in nearby cases, and some mental conditions happen to be so specific that they fail to obtain even in cases that are 'nearby' the exemplary ones (I will say more about these 'highly specific' mental conditions in the next section).

To remove these difficulties, Conee's proposal could be restricted to mental conditions that are suitably 'broad' or unspecific. The claim would then become that we are in a position to know that such suitably 'broad' mental conditions obtain in every case that is exemplary of them. But, while this doubly qualified claim no longer conflicts with Williamson's argument, it also seems unnecessarily weak. Plausibly, one is in a position to know that one is in a certain mental state even when one is *not* in an exemplary case of that state – for example, I may be in a position to know that I feel cold even when I feel only moderately cold, or when the kind of cold I feel is, for whatever reason, very unusual and unexemplary.²² In any case, it seems that friends of privileged access will be much better served by Comprehensive Flexible Availability than by a modified version of Conee's proposal. Comprehensive Flexible Availability guarantees that, in every case, the subject has satisfactory knowledge of every aspect of his or her own mind, independently of whether or not such knowledge involves mental conditions of which the case in question is exemplary.²³

This leaves us with Weak Luminosity, the thesis that one is in a position to know that a certain mental condition obtains in every case in which it 'safely obtains'. DeRose says that a condition 'safely obtains' when "[it] obtains and is not even close to not obtaining in the case" (DeRose 2002, 576). But what does 'close to not obtaining' mean, in this context? We can distinguish two options.

The first to interpret the phrase 'not even close to not obtaining' according to some objective (i.e. non-case-relative) standard of closeness – for example, it may be said that a condition 'is not even close to not obtaining in the case' if and only the case is (by some objective standard) an exemplary, typical, representative, severe etc. specimen of that condition. On this interpretation, the proposal will either boil down to or share the same limitations of proposals invoking Central Luminosity: what's objectively 'not even close to not obtaining' may be too close to not obtaining for knowledge-purposes (given the specificity of the condition and the nature of the subject's confidence in the case) or not close enough to guarantee satisfactory knowledge of every aspect of the subject's mind.

The second option is to interpret the phrase 'not even close to not obtaining' according to a case-relative standard of closeness – specifically, the same standard that determines which cases are 'close' to the actual one for the purpose of knowledge-ascriptions. Now, whether a case 'count' as close to the actual one for the purpose of knowledge-ascriptions depends, among other things, on the specific basis of the subject's confidence in the actual case. So, in the present sense of 'close', it makes no sense to speak of a case being 'close' to actuality unless it is assumed that the subject *is actually confident* in the truth of the relevant proposition. This means that, on this option, Weak Luminosity should be unpacked as follows:

²² Cf. McGlynn (2014, 162)

²³ Analogous considerations apply to Sosa's 'quasi-luminosity' thesis (Sosa 2010, 208). In addition, this thesis risks being insufficiently general, as it applies only to mental conditions that come in degrees (see Williamson 2010, 366-367).

²⁴ Cf. Williamson (2010, 326).

[Weak Luminosity*] In every C-normal case g in which (i) the subject is confident that M obtains and (ii) M obtains in all nearby cases where the subject's confidence is sufficiently similar, the subject is in a position to know that M obtains

Unfortunately, it is not difficult to see that Weak Luminosity* does *not* capture a substantive form of availability. Instead, it has the shape of a (weak) authority thesis according to which, in the case of mental conditions, safe confidence implies knowledge.

It seems fair to conclude that, as things stand, no attempt to capture availability in rigid terms holds much promise. Proponents of this kind of approach need to find a way of defining which circumstances should count as 'favourable' that is neither arbitrary nor overly or insufficiently restrictive. Pending success on this front, Comprehensive Flexible Availability enjoys a clear advantage.

5. Luminosity, elusiveness, exhaustiveness

Let us take stock. So far, I have argued that, of the two components of privileged access – authority and availability – the anti-luminosity of the mental threatens the second, not the first (§ 2). I have also argued that friends of privileged access can perfectly well retain availability, and with it the idea that everything within our mind 'lies open to view', if they conceive of this phenomenon in flexible (rather than rigid) terms (§ 3). If this is right, Williamson's followers need not see the doctrine of privileged access as 'a Cartesian orthodoxy from which philosophy must be cleansed'. Our access to our own mind may well be privileged even if all (or almost all) mental conditions fail to be luminous.

This 'compatibilist' conclusion can be reinforced from another direction. In this final section, I want to show that, insofar as knowledge of our own mental states is governed by a safety constraint (as the anti-luminosity argument assumes) such knowledge will be subject to limitations that are even *more* severe than Williamson's own discussion of luminosity suggests. Crucially, though, what the existence of these limitations forces us to give up is not the doctrine of privileged access, but something else.

Let us start by reconsidering the notion of a maximally specific mental condition. If knowledge is subject to a safety constraint, an argument can easily be made that such conditions not only fail to be luminous – meaning that they sometimes obtain without us being in a position to know that they do – but are positively *elusive* – meaning that they never (or almost never) within our epistemic grasp.

The argument has the following shape. Consider a case h where one believes oneself to be in a certain maximally specific mental condition M:

(v) In h, one believes that M obtains in h

Let us suppose that, much like one's confidence that one feels cold (in a case where one is feeling cold) one's confidence that one is in M (in h) would be only slightly higher or lower if one happened to be slightly different in some mental respect. This is tantamount to supposing there is at least some case h^* , sufficiently similar to h, in which one's confidence that one is in M is almost the same as in h, but one is slightly different in some mental respect:

(vi) In h^* (which is very similar to h) one's confidence that one is in M is almost the same as in h, but one is slightly different in some mental respect

Given the assumption that M is maximally specific, h^* will be a case in which M does *not* obtain (for recall that a maximally specific mental condition discriminates between any two mentally different cases, no matter how similar they are):

(vii) In h*, one is not in M

Generalizing from Safety cold (see § 1), we should take knowledge that one is in a certain mental condition to be subject to the following constraint:

[Safety Constraint] If one knows that one is in M, one is in M in every sufficiently similar case in which one is almost equally confident that one feels cold.

Given (v), (vi), (vii) and the Safety Constraint, one's confidence, in *h*, that one is in M is not 'safe' enough to constitute knowledge. Therefore, we have:

(viii) In h, one does not know oneself to be in M.

Note that we didn't assume anything about *h* and M except that M is maximally specific and *h* is the kind of case in which the subject's confidence that M obtains varies gradually in nearby cases. Consequently, our conclusion should be that:

(ix) For any maximally specific mental conditions M and any case g in which M obtains, if one's confidence that one is in M varies gradually in nearby cases, one is *not* in a position to know that M obtains in g

 It would be incautious to suggest that *whenever* one has a certain confidence in the claim that one is in certain mental condition, one's confidence will vary gradually in nearby cases.²⁵ Certainly, however, in the vast majority of cases I can think of, we should indeed expect this kind of gradualness.²⁶ Hence, I think we should take (ix) to imply:

(x) For any maximally specific mental conditions M and almost any case g in which M obtains, one is *not* in a position to know that M obtains in g

Here's an intuitive way of seeing this result. The Safety Constraint, together with the fact that, most of the time, our confidence that we are in a certain mental condition varies gradually in nearby cases, make knowledge 'at the margins' mostly unattainable for us. But when it comes to maximally specific mental conditions, knowledge that one is in any such condition is *always* knowledge 'at the margins'. Hence, such knowledge is mostly unattainable for us: maximally specific mental conditions not only fail to be luminous but are – as I suggested we may put it – elusive.

²⁵ Consider a case g where my confidence that I am in a certain maximally specific mental condition M is based on someone else's testimony. If a 'nearby' case is a case where I am only slightly different in some mental respect, it is unclear that my confidence, in g, will vary gradually in nearby cases. The testimony may come from an infallible neuroscientist who, had I been even only slightly mentally different, would have provided me with very different information (or with no information at all).

²⁶ Cf. Srinivasan's (DOXDIS*) principle (2015, 310).

It is possible to generalize this conclusion to at least some mental conditions that are highly but less than maximally specific. Here is how the argument would proceed. Take any case g in which one has a certain confidence in the claim that this or that mental condition obtains and one's confidence varies gradually in nearby cases. Let us suppose that, in any such case, the nearby cases (those in which one's confidence is 'sufficiently' similar) can differ from the case in question up to a certain degree δ . Then consider a mental condition M^- that is less than maximally specific and yet so specific that, for every case j in which M^- obtains, there is a case j', less than δ -different from j, in which M doesn't obtain. Given how specific M^- is, and given how, in any case like g, one's confidence varies in nearby cases, one will never (or almost never) be in a position to know that M^- obtains. Even if it is not maximally specific, M^- is just as elusive as any maximally specific mental condition. And the same applies to any condition that is as specific as (or more specific than) M^- .

Reflection on these corollaries of Williamson's argument – the elusiveness of maximally and highly specific mental conditions – brings out what I take to be the real toll of that argument. We've seen in the last section that, if Comprehensive Flexible Availability holds true, any knowledge 'lost' due to the anti-luminosity of the mental can always be satisfactorily 'replaced' by other knowledge concerning the same aspect of one's mind (see (4), § 3). But it now turns out that – if we accept the premises of Williamson's argument – the replacements, however satisfactory, can never (or almost never) match the 'determinacy' or 'fineness of grain' of our mental life: even if we always have satisfactory knowledge of every aspect of our mind, we never (or almost never) know our maximally (or highly) specific mental conditions.

This result certainly gives pause, but I want to conclude by mentioning three reasons why advocates of privileged access should not be worried by it. These are, equally, reasons why they should be perfectly satisfied with Comprehensive Flexible Availability.

The first reason is that the elusiveness of maximally (and highly) specific mental conditions straightforwardly implies that we do not even possess any 'recognitional' concepts referring to these conditions. A recognitional concept is a concept whose possession requires the ability successfully to recognize the presence or absence of its referent in experience.²⁷ If a condition is elusive – that is to say, if we are never or almost never in a position to know that it obtains – this requirement simply cannot be met.

Now, to say that we do not possess any recognitional concepts referring to maximally (or highly) specific mental conditions is not to say that such conditions are a complete mystery to us (after all, one can always refer to one's maximally specific mental condition at a certain instant as 'this maximally specific condition' or 'the maximally specific mental condition I am in right now'). However, the impossibility to recognize these conditions *in experience* puts them in the same bag with other mental conditions for which (as already noted in § 2) advocates of privileged access have always been prepared to make special provision – irrational or 'alienated' beliefs, phenomenally unconscious experiences and, possibly, mental states that are 'dispositional' rather than 'occurrent'. A natural hypothesis, supported by this similarity, is that introspectability is a pre-requisite for privileged access – or, a little more carefully, that, for authority and availability to hold with respect to a certain class of mental conditions, it must be possible (at least, in principle) to form introspective recognitional concepts for members of

²⁷ Cf. Loar (1990, 87), Yablo (2002, 461), Sosa (2003, 281) and Chalmers (2012, 140-142).

that class.²⁸ If this hypothesis is correct, maximally (and highly) specific mental conditions are just another exception that proves rule.

A second reason why advocates of privileged access should not be bothered by the elusiveness of maximally (and highly) specific mental conditions is that this datum does nothing to deprive their doctrine of its interest and significance. As I pointed at the outset of this paper, some philosophers think that the existence of privileged access should constrain our account of the semantics and metaphysics of our ordinary discourse about the mental. A thesis like Comprehensive Flexible Availability can act as such a constraint even if it is compatible with maximally (and highly) specific mental conditions being elusive. Other philosophers endorse the doctrine of privileged access because they are interested in finding an epistemic 'foundation' for the rest of our justified beliefs. But, on the face of it, a cognitive halo of the kind guaranteed by Comprehensive Flexible Availability could provide such a foundation even if it never (or almost never) encompasses our maximally (and highly) specific mental conditions.²⁹

The third and final reason why advocates of privileged access should not worry about the elusiveness point is also the most straightforward. Suppose we call *exhaustiveness* the idea that every detail of a subject's mental life, even the most minute and insignificant, can always be accessed by that subject. It is simply unclear why the doctrine of privileged access – and specifically, whatever component of that doctrine can be associated with the slogan that everything within our mind 'lies open to view' – should be thought to imply exhaustiveness. This is obvious if one understands the slogan in the way I suggested in § 3. But it is also

[Normative Internalism] What an agent should do or believe supervenes on his or her mental states

The views in question qualify as 'internalist' because their proponents assume that an agent has privileged access to facts concerning his or her mental states. But, as we know, Comprehensive Flexible Availability fails to guarantee access to *all* such facts. However, the objection ignores that, for all Normative Internalism says, what an agent should do or believe may also supervene on a proper subset of his or her mental states – and the relevant subset may comprise exactly those mental conditions to which Comprehensive Flexible Availability says that we *do* have access. Consider:

[Normative Internalism*] What an agent should do or believe supervenes on any set of facts S such that knowledge of every member of S would constitute satisfactory knowledge of every aspect of that agent's mind

According to Normative Internalism*, having satisfactory knowledge of every aspect of one's mind is enough to have knowledge of a supervenience base for normative facts concerning what one should do or believe – any additional knowledge is unnecessary. But if Comprehensive Flexible Availability holds true, one *is* in a position to have satisfactory knowledge of every aspect of one's mind. Thus, the combination of Normative Internalism* and Comprehensive Flexible Availability gives us a normative internalist package that the anti-luminosity of the mental and the elusiveness of maximally (and highly) specific mental conditions leave unscathed.

²⁸ Note that restricting authority and availability to what is (at least, in principle) 'introspectable' does not trivialize the doctrine of privileged access: clearly, analogues of availability and authority do *not* hold for what is visible, or otherwise accessible through the 'outer' senses.

²⁹It may be objected that, insofar as it is compatible with phenomena like elusiveness and antiluminosity, Comprehensive Flexible Availability cannot be used to vindicate certain forms of *normative internalism*, according to which:

obvious if one sticks to the literal content of the slogan. Imagine being in front of a large painting. If your eyes work properly, the lighting conditions are optimal and nothing obstruct your sight, it seems correct to say that the painting lies open to view for you. But this hardly implies that you can access every part of the painting – including, e.g., the atoms making up its surface. Indeed, when one reflects on this kind of analogy, it not clear that exhaustiveness is even *compatible* with the kind of metaphor on which the doctrine of privileged access is based. The claim that there cannot be anything more to our mind than what we are able to 'see' in it does not sit comfortably with the idea that our minds are – much like paintings – bits of objective reality to which we can be said to have *access*, albeit of a privileged sort. Arguably, the very idea that one has access to x requires making sense of the possibility that x might be a certain way despite one's inability to know that this is so. Exhaustiveness rules out exactly this possibility.

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