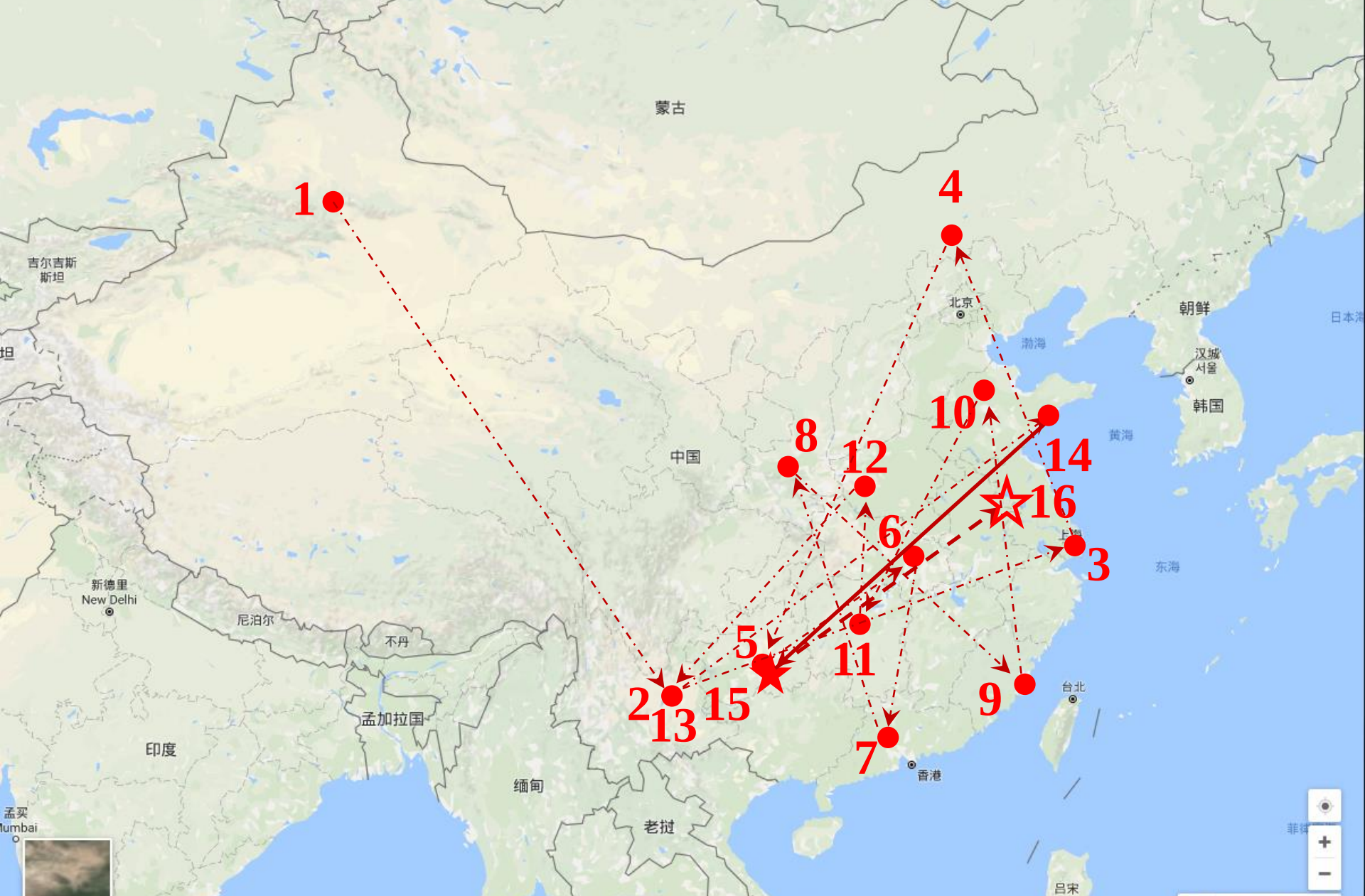


五年来征程于大江南北，FPS像“宣传队和播种机”一样
点燃脉冲星之“火”。
—— 摘自《FPS5会议文集》



强物质的质量间隙

(The *mass-gap* of *strong matter*)

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(北京大学物理学院)

“FPS15”

July 3-5, 2026; Guizhou Normal University, Guiyang

The *material* world

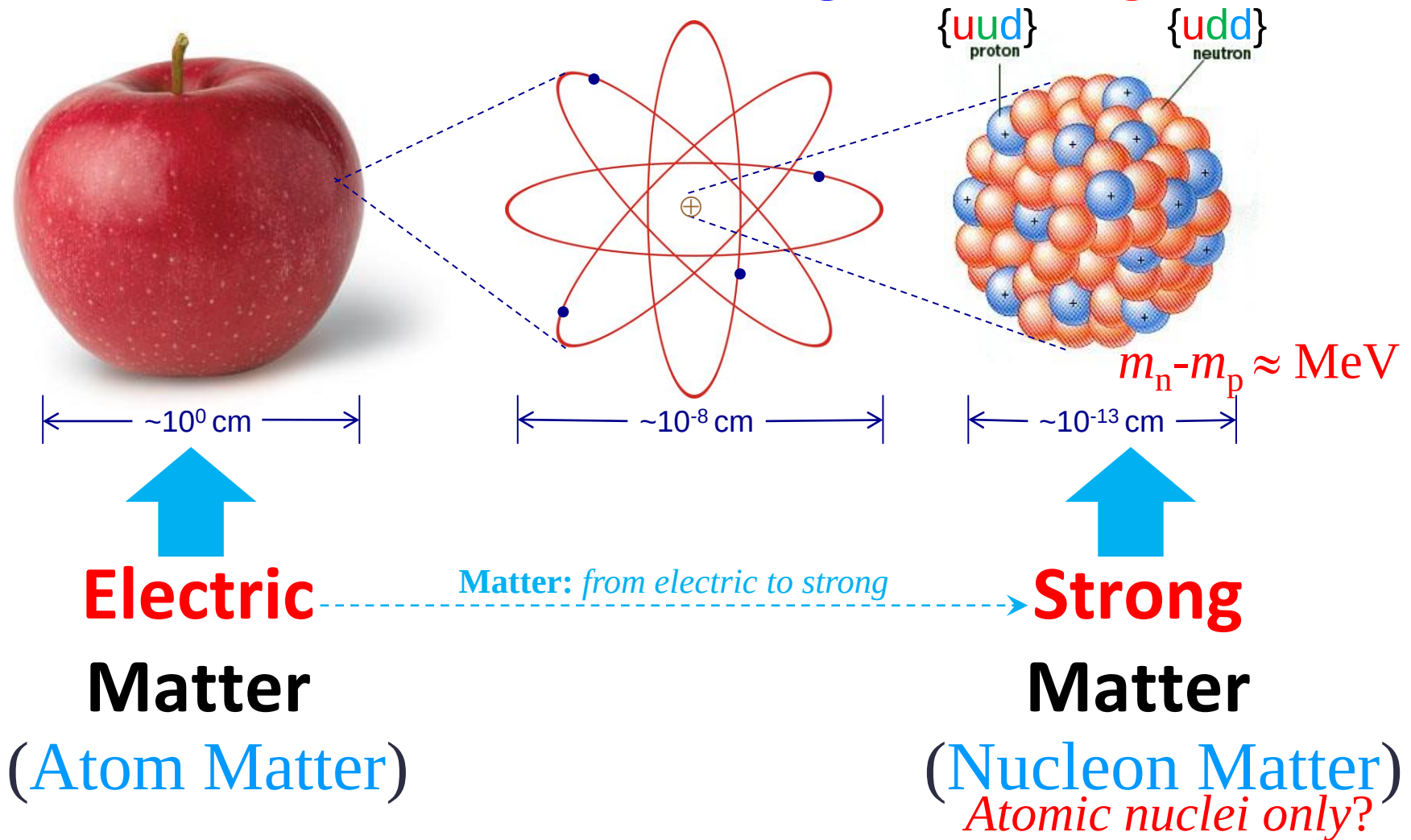
察物究理



丙午年初夏

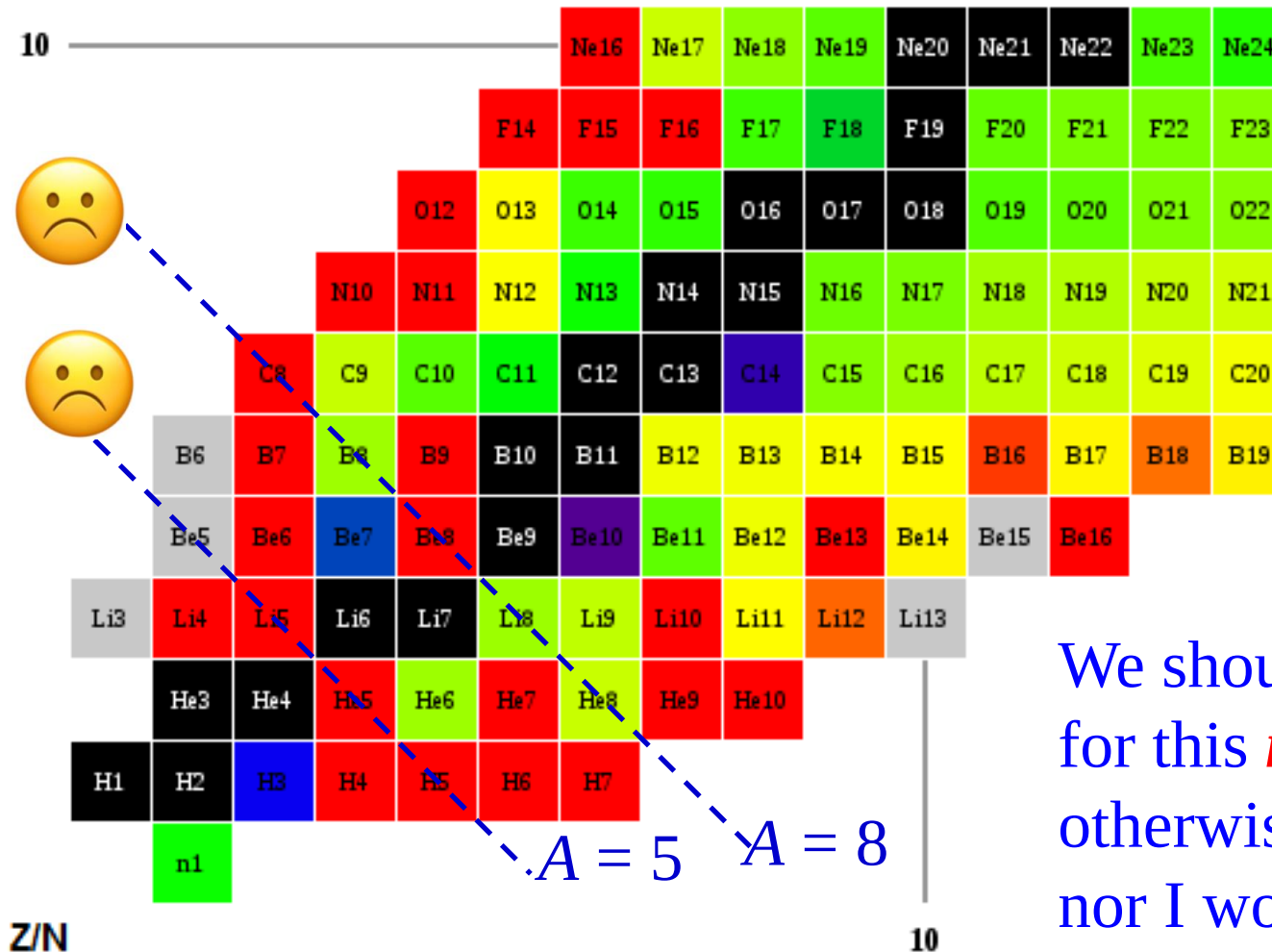
The *material* world

- Units condensed by the **electromagnetic/strong** force?



The *strong matter*: 2-*flavoured*

- The *mass-gap* of nucleon matter (2-*flavoured* “drip”)



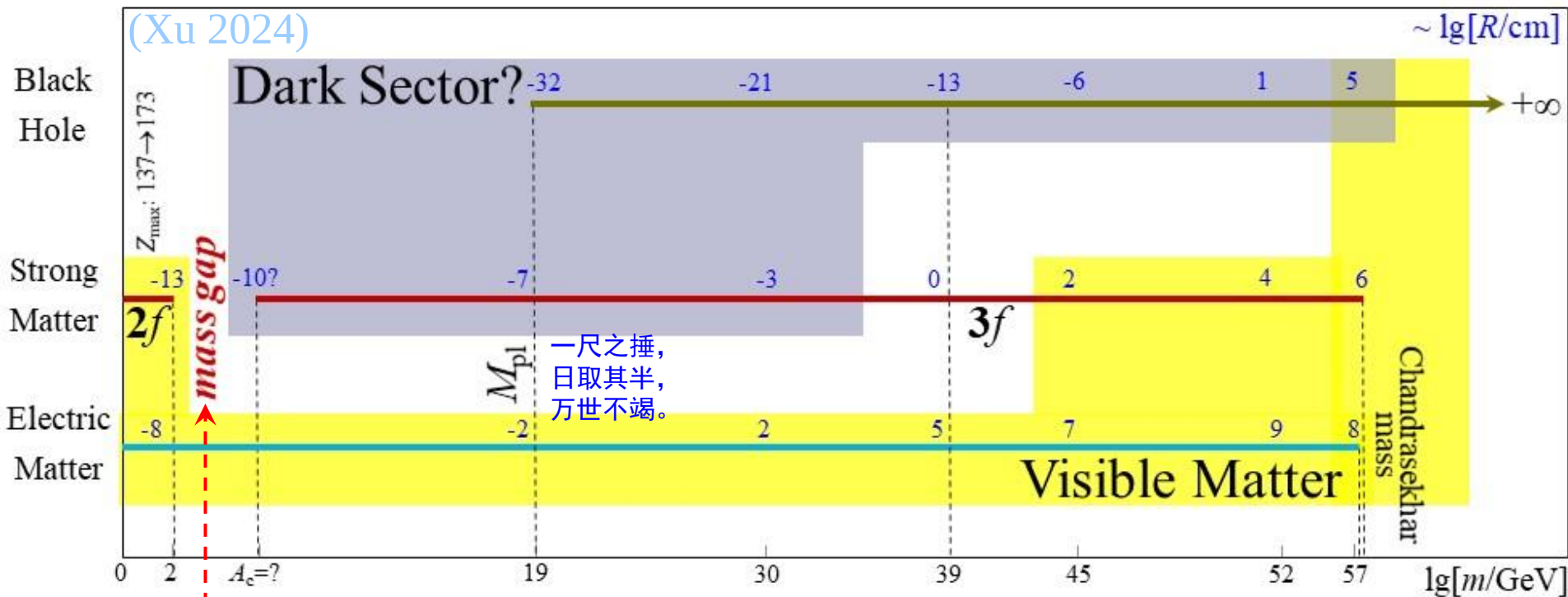
We should be grateful for this *mass-gap*; otherwise, neither you nor I would be here!

The *strong matter*: 2&3-flavoured

- The *mass-gap* between 2-nucleon and 3-strangeon matter

The *material* world

in the standard model of particle physics



implications: philosophical? cosmological? **THANKS!**