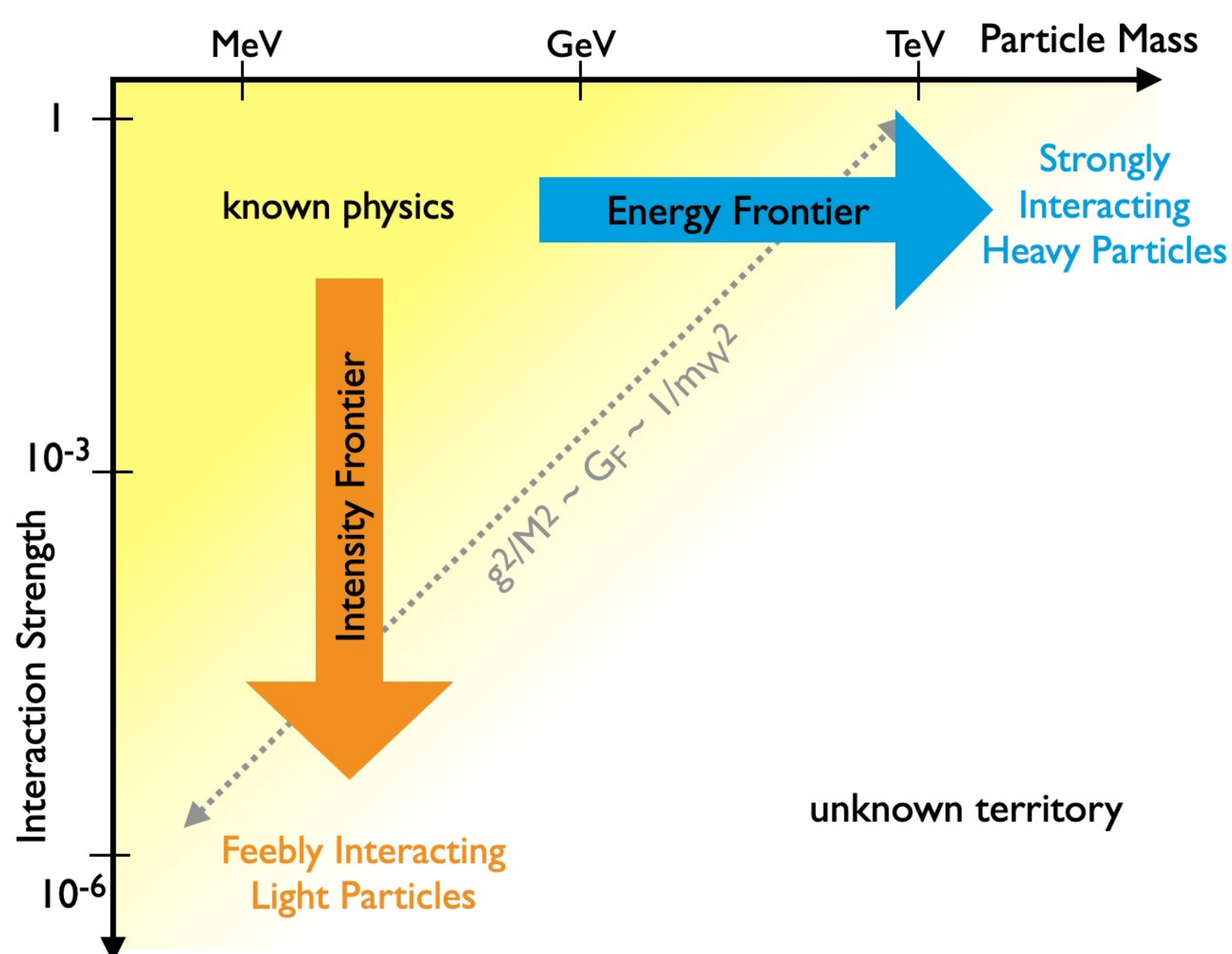


FEEBLY INTERACTING PARTICLES TASK FORCE.

STATUS AND PLANS

Friederike Januschek, Felix Kling, Federico Meloni, Andreas Meyer, Klaus Moenig, Kai Schmidt-Hoberg, Marcel Stanitzki

What is this about?



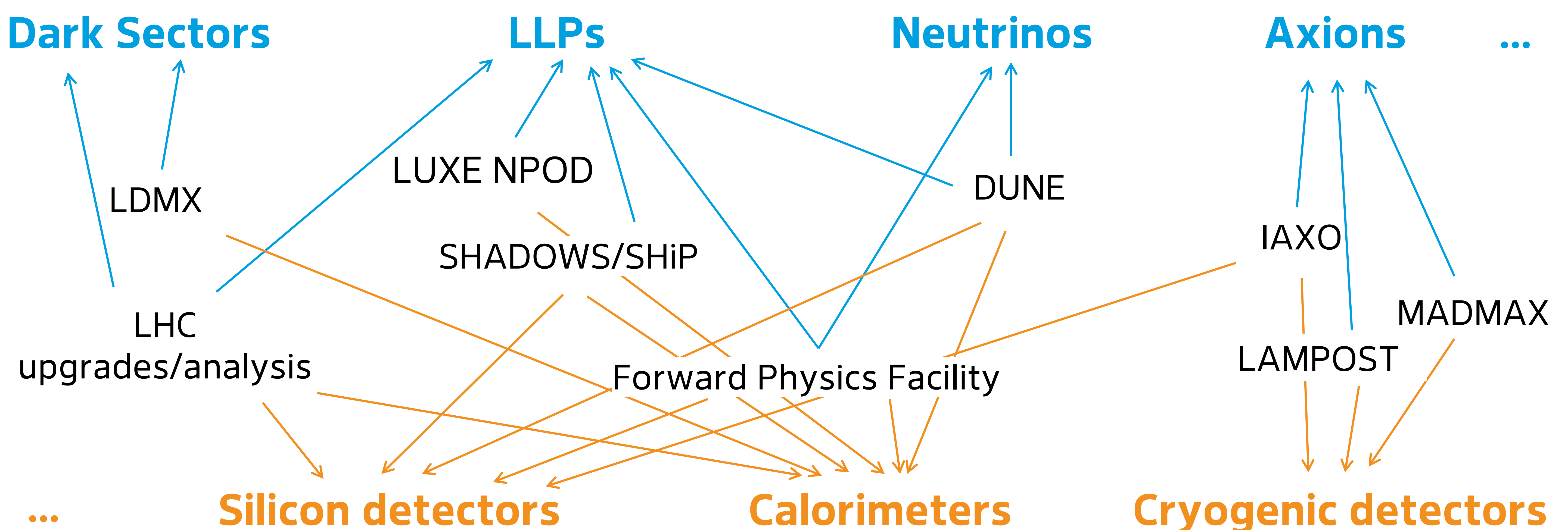
Key questions.

- What are the most interesting physics questions in this area?
- What interesting opportunities exist in the future (2027+) beyond continuing ongoing activities?
- Where could DESY make an important contributions?
- Are there possibilities for dedicated local experiments?

Targets and constraints.

Goal: identify O(5) initiatives of varying size/technology/physics.
Time: after LHC Phase 2 upgrades.
Size: O(40) people.
Expertise: use DESY's e.g. in detector development and/or axions.
Place: DESY would be good, but the main driver must be the physics case.
Involvement: leading role for FH, ideally also in detector design.

Mapping the opportunity space.



Connections to other task forces.

- Flavour task force (e.g. NA62+, KLEVER, LHCb ...)
- Detector development task force
- Local experiments task force