



Muon Collider - international

- LDG Final Report is now published
 - <https://arxiv.org/pdf/2201.07895.pdf>
- Working now on
 - Snowmass submissions
 - Muon collider “international view” due mid-March
 - NuSTORM submission due mid-Feb
 - EU funding
 - HORIZON-INFRA-2022-DEV-01-01
 - “Paper studies” oriented
 - HORIZON-INFRA-2022-TECH-01-01
 - “Technology” oriented
 - Rutherford Appleton Laboratory will be a Partner Research Infrastructure
 - Closes 20 Apr 2022
- Memorandum of Cooperation



Science & Technology Facilities Council

ISIS Neutron and Muon Source



Muon Collider - UK

- UK status
 - Programmes
 - Nat. Labs
 - PPD
 - Accelerator R&D programme...



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Muon Collider

- MC Aims **Minimal Aspirational**
 - Target
 - Yield calculations and preliminary design **Minimal**
 - Fluidised Tungsten test stand at RAL/HiRadMat **Aspirational**
 - Cooling
 - Cooling beam physics design **Minimal**
 - Demonstrator physics and synergy with nuSTORM **Minimal**
 - MICE FC → Saclay **Aspirational**
 - RF test stand at DL **Aspirational**
 - Final cooling alternatives beam physics design **Aspirational**
 - FFA
 - Accelerator **Aspirational**
 - Collider **Aspirational**
 - MDI studies **Minimal**
 - Collider Physics/detector
- NuStorm

