

Antarctic Physics in Aarhus

RUNE ELGAARD MIKKELSEN

MSC, PHD STUD



OUR GROUP IN AARHUS

> Senior scientists:

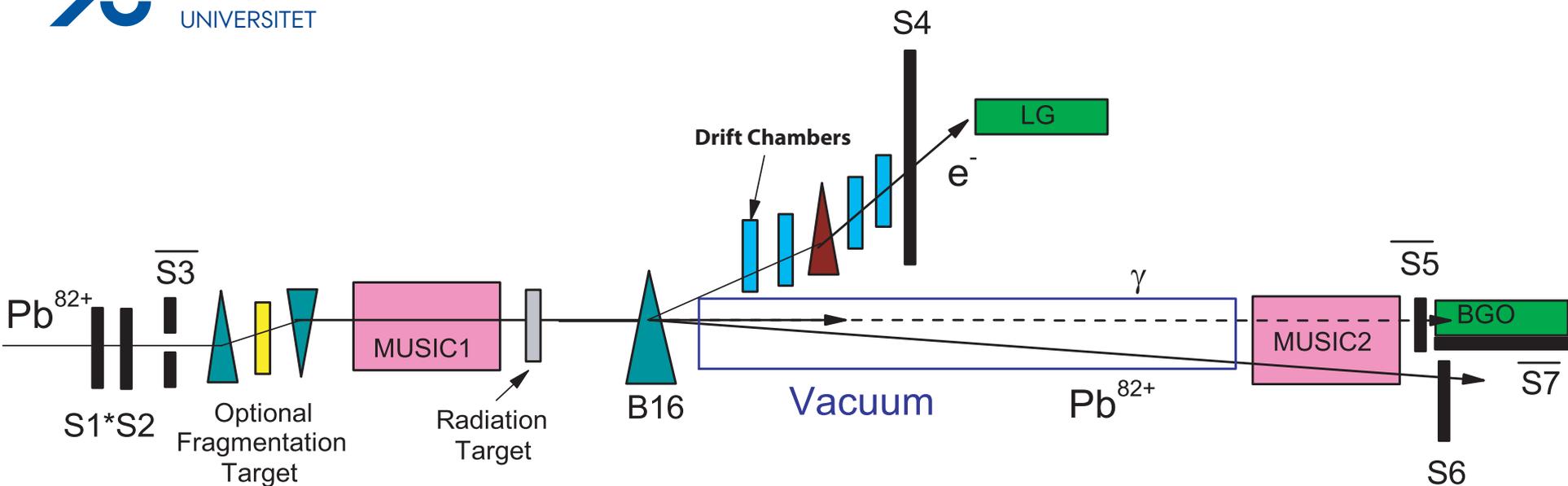
- > Ulrik Uggerhøj
- > Helge Knudsen

> PhD students:

- > Søren L. Andersen
- > Rune E. Mikkelsen
 - > Tobias Wistisen
 - > Trine Poulsen

> Technicians:

- > Per B. Christensen
- > Poul Aggerholm



An experimental foundation for electromagnetic shower formation in the geomagnetic field

Ulrik Ingerslev Uggerhøj (Aarhus U.)

Jun 2003 - 7 pages

Nucl.Phys.Proc.Suppl. 122 (2003) 357-363

High energy cosmic-ray interactions with particles from the Sun

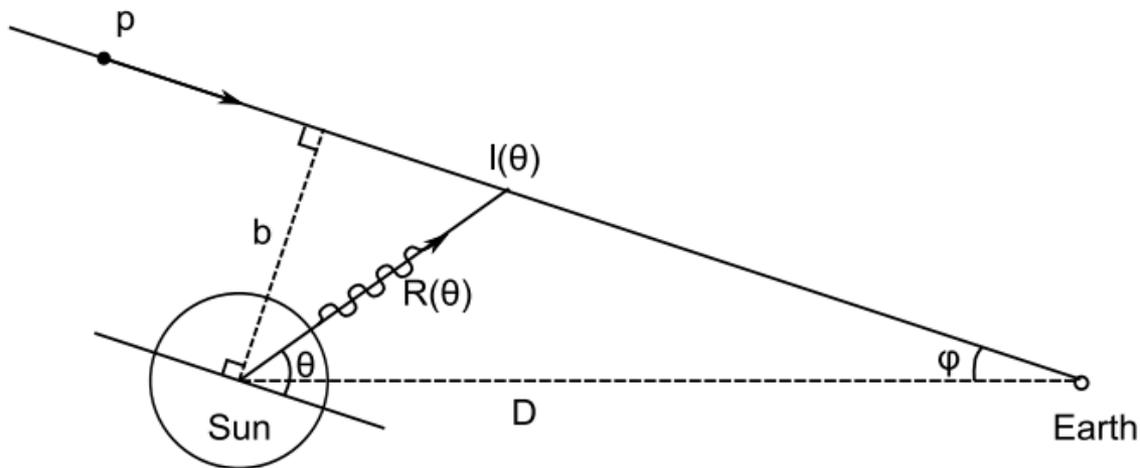
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(Received 25 March 2011; published 17 May 2011)



MUON ACCELERATION IN COSMIC-RAY SOURCES

SPENCER R. KLEIN^{1,2}, RUNE E. MIKKELSEN^{1,3}, AND JULIA BECKER TJUS⁴

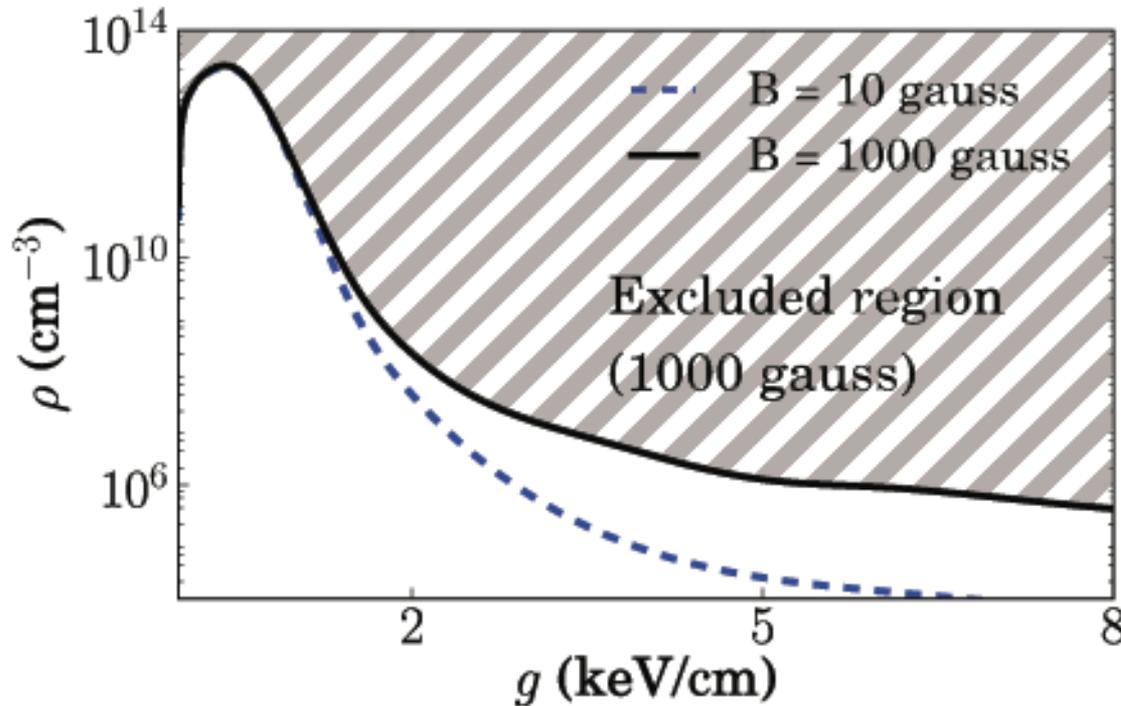
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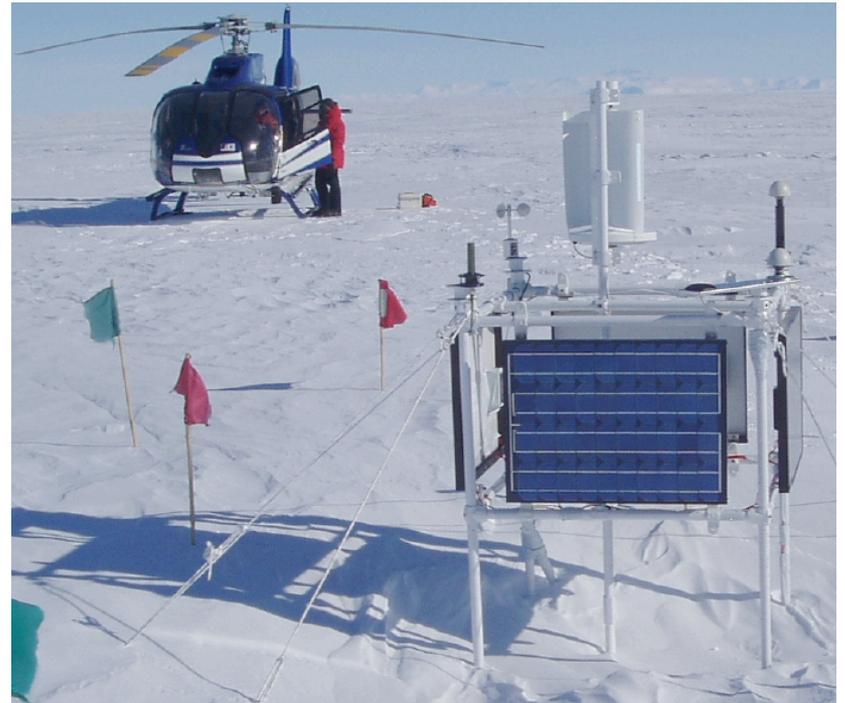
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Received 2013 March 20; accepted 2013 October 12; published 2013 November 27



ARIANNA

- › We pursue a co-leading role in the collaboration
- › We are awaiting reply on a large funding request
- › We plan to have a new PhD student work full time on ARIANNA



ARIANNA

- › Hardware design and testing
- › Applied for funding to buy 2 complete stations
- › 580 MeV e^- beam

REMEMBER:

- › We have lots of experience doing experiments
- › We are really interested in turning our efforts towards experiments relevant for astrophysics
- › We have a large funding request awaiting reply
- › We hope to create a platform to do interesting science and educate many young students

THANKS FOR YOUR ATTENTION

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