

Status of the Auger Cosmic Ray Phenomenology task

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Auger Italia meeting
3–5 February 2025, Torino, Italy

Works in progress

- Backtracking of the highest energy events (see talks by Marta and Luciana)
 - Oral contribution at ICRC
- Extension of the combined fit to lower energies (works in progress by the Bariloche group and the L'Aquila group)
 - Oral contribution at ICRC (if new HEAT calibration available by then)
- Heavy metal scenario (short-author-list by the Prague group for the time being)
- Combined fit using DNN data (various groups working on this, disagreements about how to deal with systematics)
- Combined studies of arrival directions and mass composition (Aachen group)

See talk by Denise yesterday for details

Introduzione*Armando Di Matteo**Dipartimento di Fisica*

10:10 - 10:20

Backtracking (ICRC25)*Marta Bianciotto**Dipartimento di Fisica*

10:20 - 10:40

Horizon of UHECRs*Luciana Andrade Dourado**Dipartimento di Fisica*

10:40 - 11:00

Fit delle frazioni di massa*Francesco Salamida**Dipartimento di Fisica*

11:00 - 11:20

Coffee break*Dipartimento di Fisica*

11:20 - 11:50