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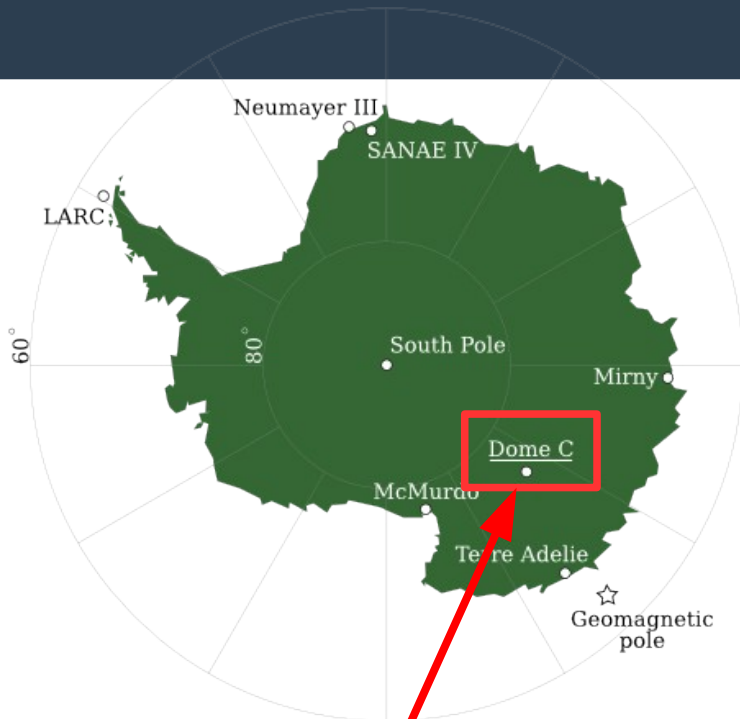


**Pulse height-length analysis of
data from neutron monitors
DOMC/DOMB with a new data
acquisition system**

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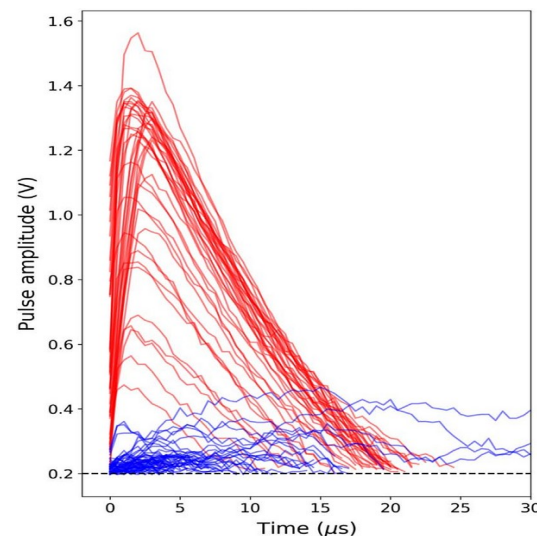
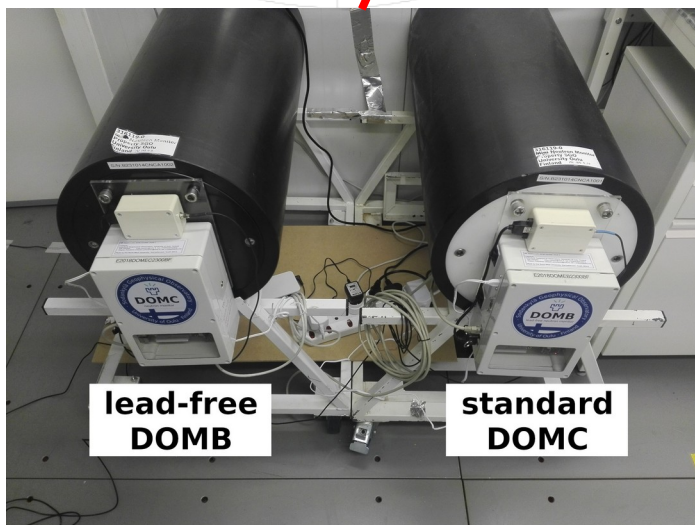
New electronics at DOMC/DOMB



DOMC and **DOMB** - two mini neutron monitors at Dome C (3233 m a.s.l., Antarctic Plateau).

New data acquisition system:

- routinely digitizes every pulse from the detector,
- provides precise timing of pulses with sub-microsecond resolution.



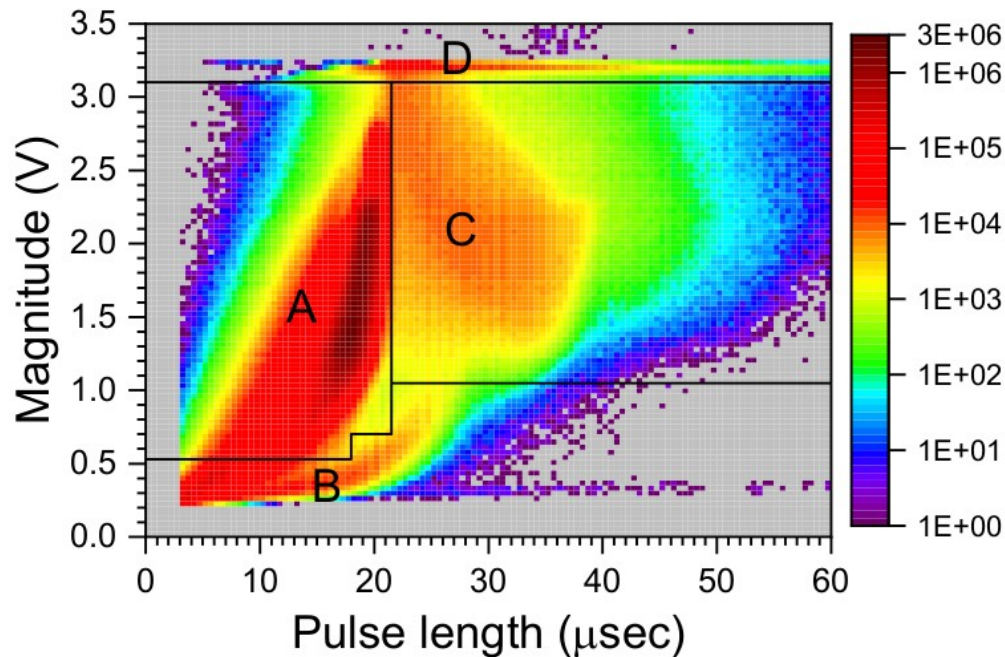
(Strauss et al., 2020)

Pulse height-length analysis

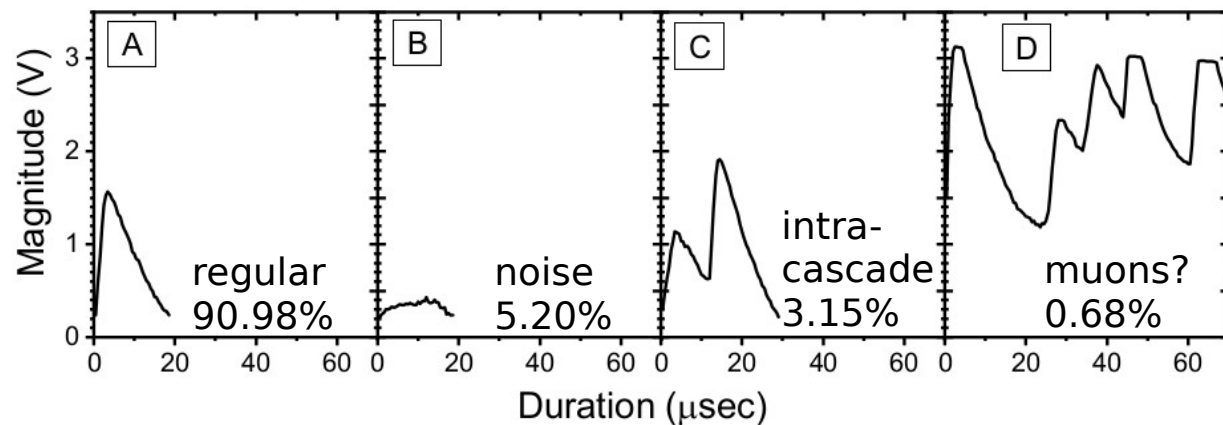
DOMC

Analysed data:
 $\sim 3 \times 10^8$ pulses,

01 Jan 2020 - 31 May 2020



(Similä et al., 2021)

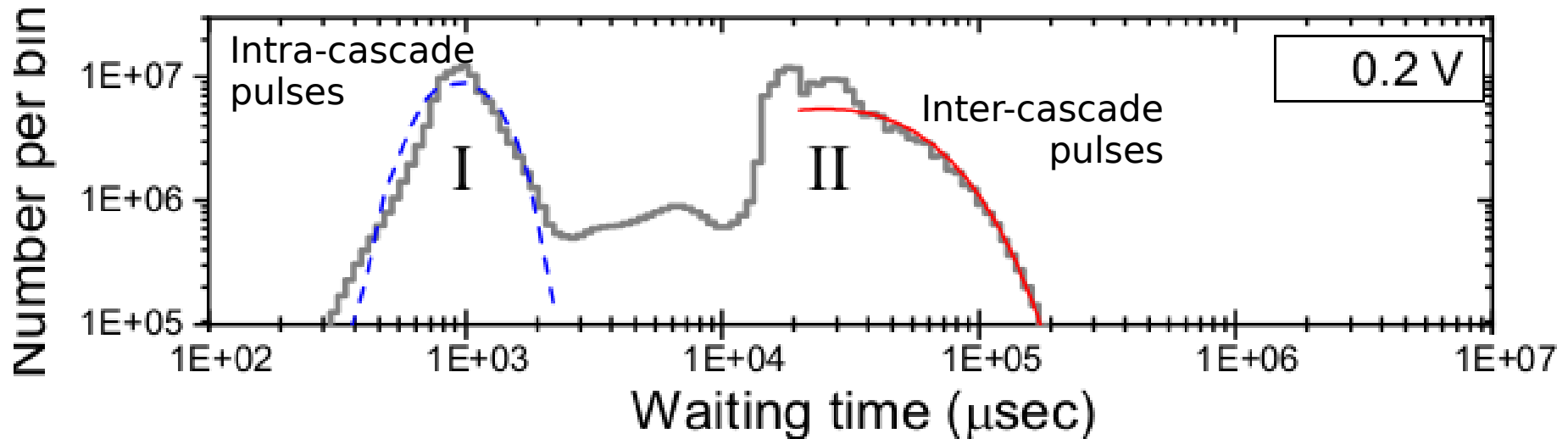


Waiting time analysis

DOMC

Analysed data:

$\sim 3 \times 10^8$ pulses, 01 Jan 2020 - 31 May 2020



Conclusion

Therefore, we probably can use a stand-alone NM as a cosmic ray spectrometer.

Further research and development needed.