New PROPOSAL release

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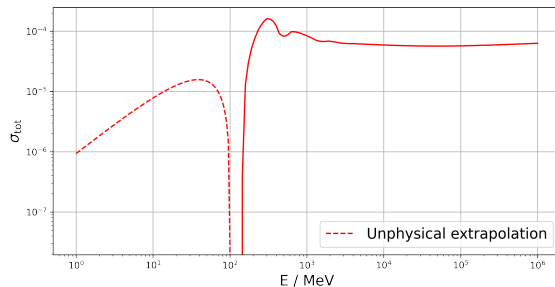
New PROPOSAL release

- PROPOSAL version currently used on C8 master branch: `v7.0.5` (from May 2021!)
  - $\rightarrow$ Newest release of PROPOSAL: `v7.3.0` (22 Mar 2022)
  - $\rightarrow$ Full release notes on GitHub
  - $\rightarrow$ Released in `conan-center-index`

- Release notes of previous PROPOSAL release (`7.2.0` and `7.2.1`) have been presented in the last EM shower call (3 Feb 2022)
  - $\rightarrow$ Inclusion of photoproduction ($\gamma + Z \rightarrow$ Hadrons)
  - $\rightarrow$ Improved secondary particle calcuation in e^+e^- pair production

- PR to update PROPOSAL from `v7.0.5` to `v7.3.0` on C8 master is already open: !421

Changes in `v7.3.0` relevant for CORSIKA 8

- Fixed unphysical extrapolation of photoproduction crosssection to lower energies
  - → PROPOSAL PR: PR #260

Changes in `v7.3.0` relevant for CORSIKA 8

- Add Photomupairproduction: $\gamma \to \mu^+ \mu^-$
  - → PROPOSAL PR: #265
  - → Is currently by default disabled in PROPOSAL
  - → What should be the default in CORSIKA 8?