

## SIREN (Space Ionizing Radiation Project Nursery)

*streda 21. září 2022 14:35 (3 minuty)*

The aim of our contribution is to introduce a unique university course developed within the ESA SIREN project. The course is focused on introduction into radiation protection from cosmic rays and contains topics devoted to a) basics of space ionising radiation, its complexity and principal aspects of its measurement (i.e. measurement of mixed radiation fields); b) description of principle of most common cosmic rays detection systems; c) risks that it possess for technology and spaceflights; d) risks that it possess for human and space crew health; e) possibilities to further develop and apply obtained knowledge in space research via ESA programmes.

The course materials and lectures are prepared in English language and will be offered to universities in Slovakia as well as to universities abroad.

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**Zařazení sekce:** Radón a prírodné zdroje ionizujúceho žiarenia

**Tematická klasifikace:** Radón a prírodné zdroje ionizujúceho žiarenia