Links between EURADOS WGs and NESCOFI/NEURAPID

WG9: Radiation protection dosimetry in medicine

C. Domingo

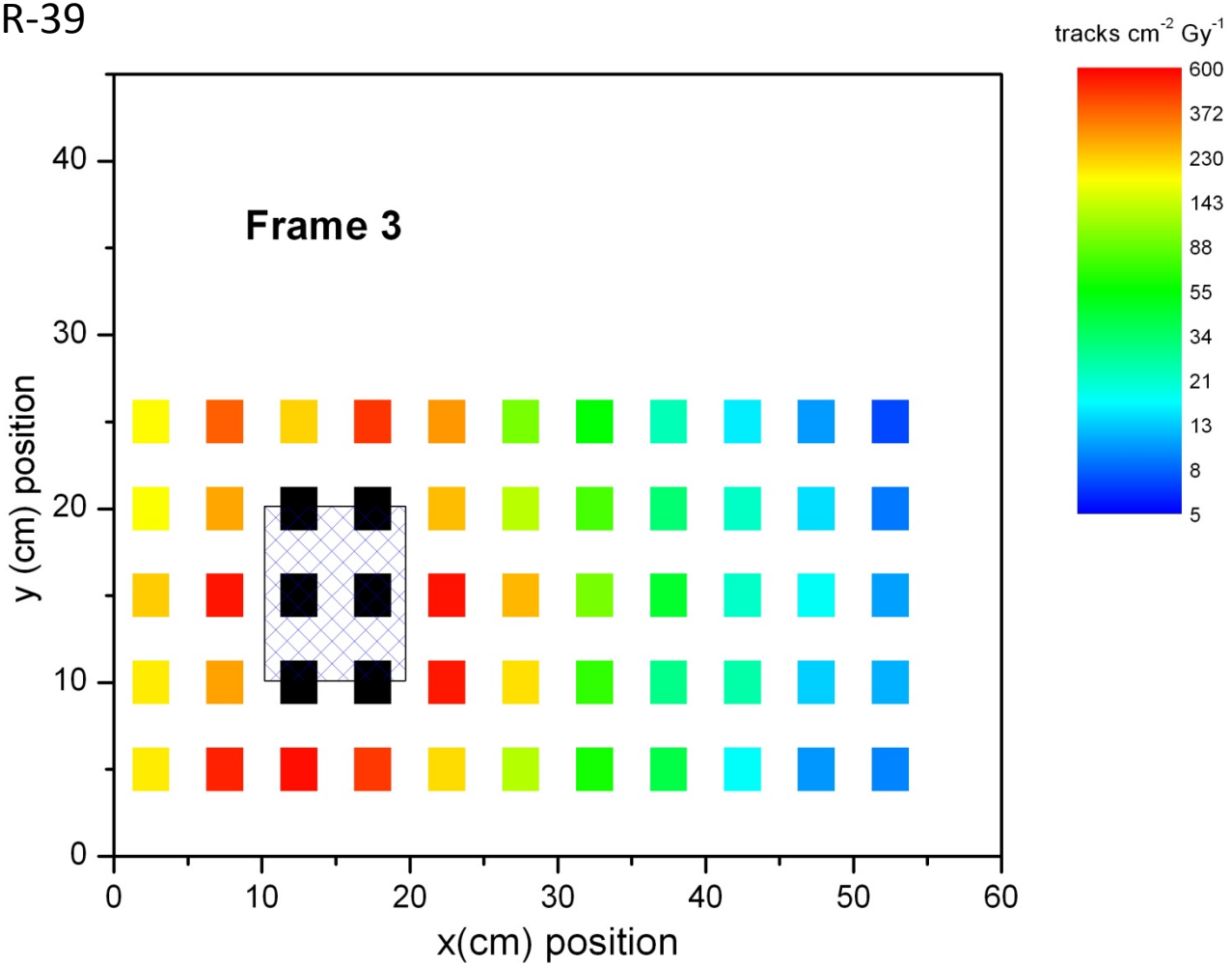
UAB

γ and p radiotherapy

EURADOS WG9

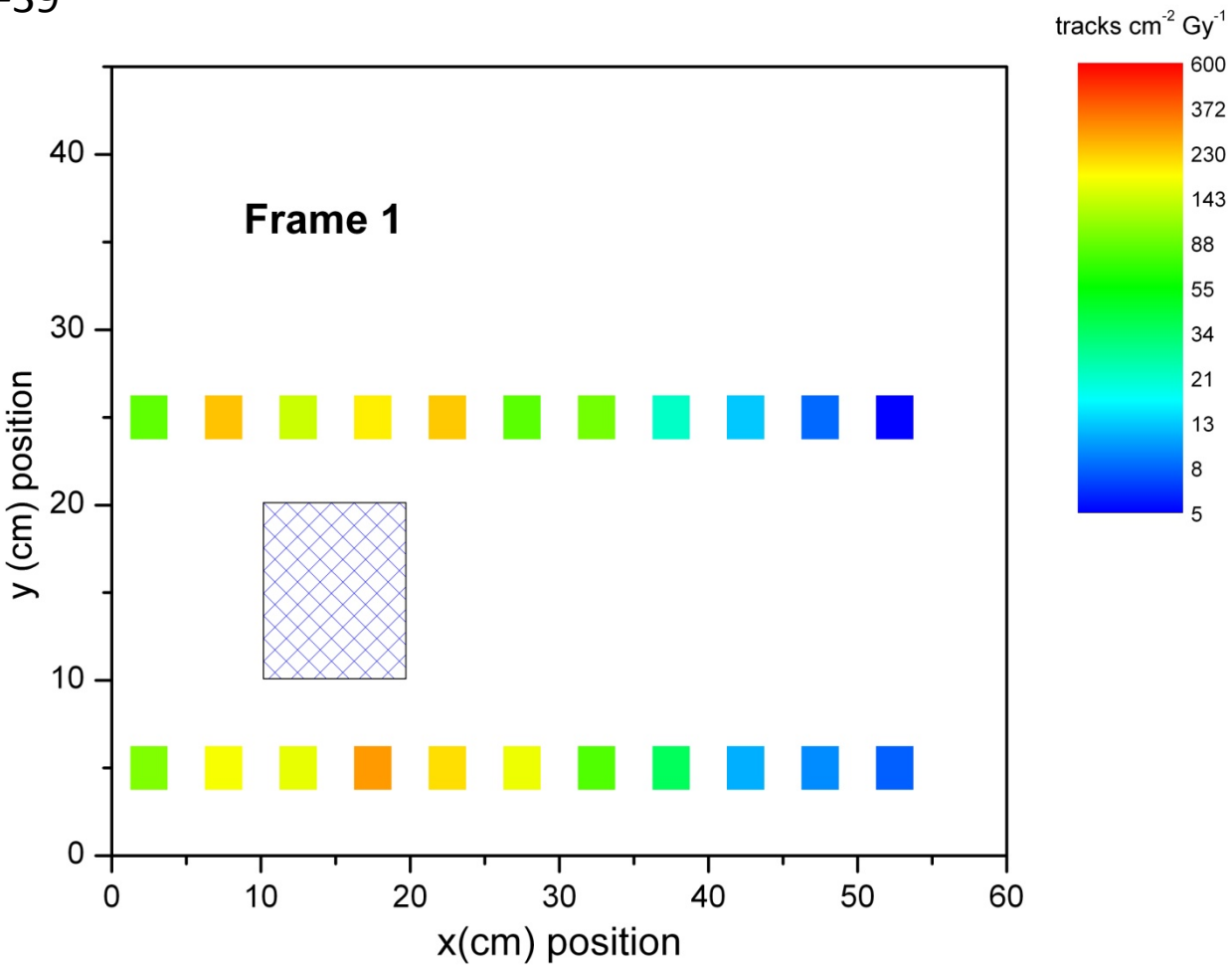
Protontherapy in Trento

Measurements CR-39



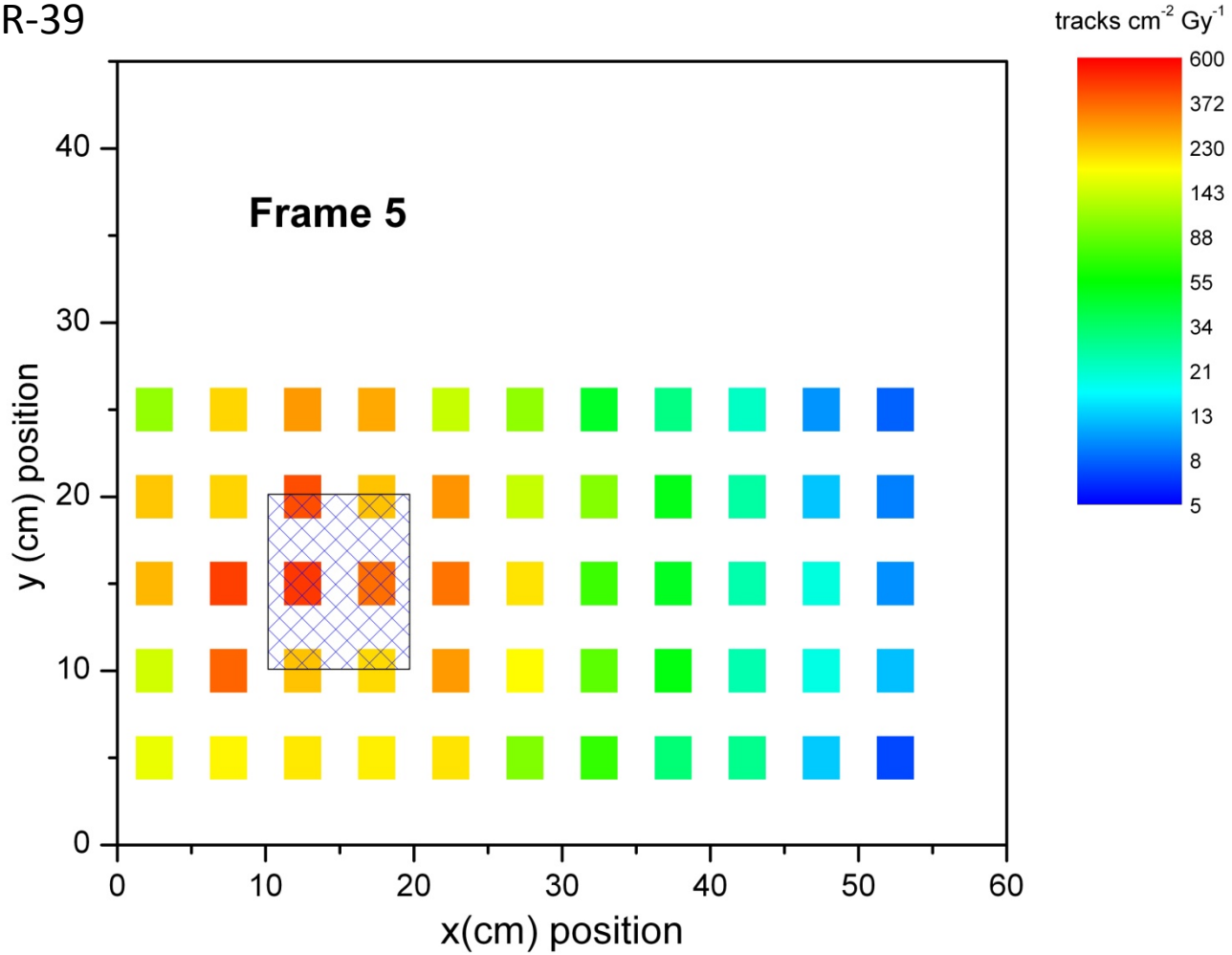
Protontherapy in Trento

Measurements CR-39



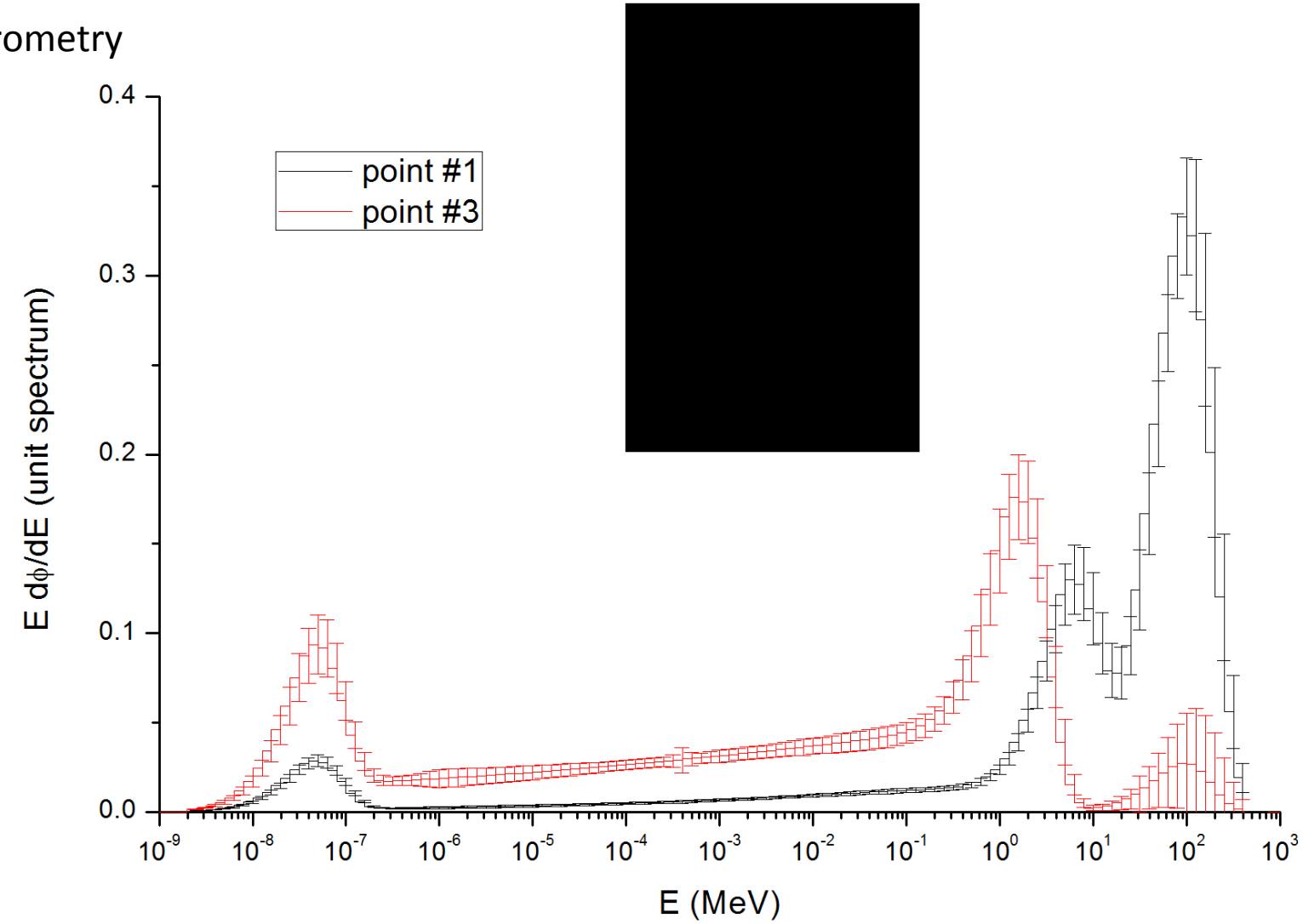
Protontherapy in Trento

Measurements CR-39



Protontherapy in Trento

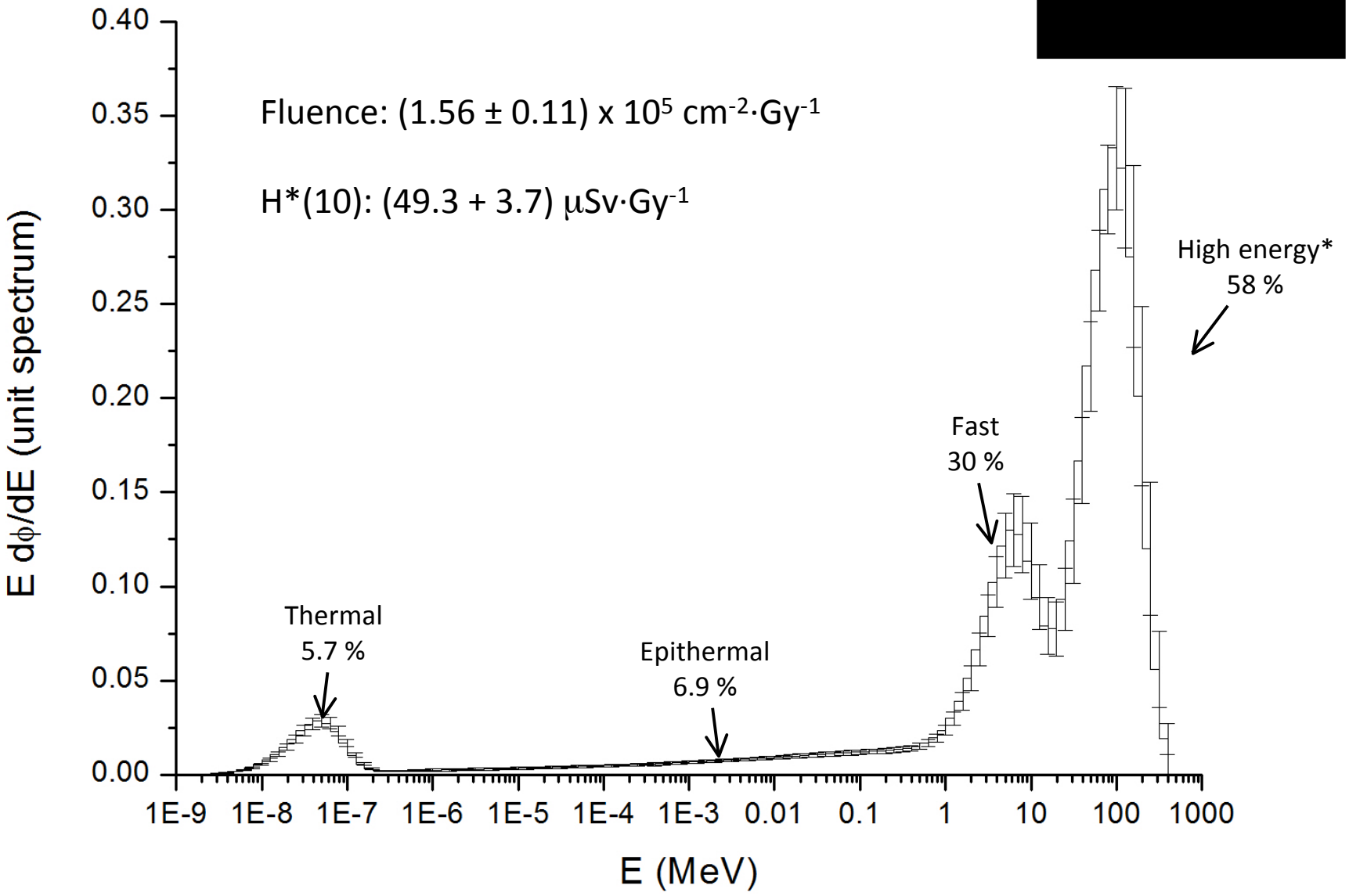
Spectrometry



POINT #1

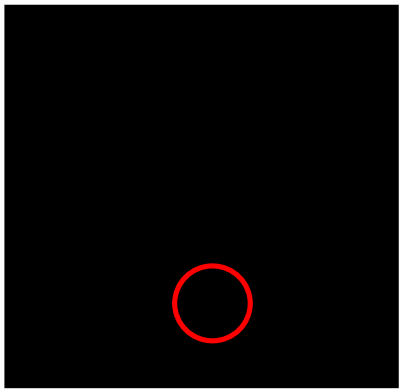
Fluence: (1.56 ± 0.11) x 10^5 cm^{-2}·Gy^{-1}

H*(10): (49.3 + 3.7) μSv·Gy^{-1}



*(>20 MeV)

POINT #3



Fluence: (1.582 ± 0.089) x 10^4 cm^{-2}·Gy^{-1}

H*(10): (2.69 + 0.20) µSv·Gy^{-1}

*(>20 MeV)

Protontherapy in Krakow

- October 2014
- Irradiation of the BOMAB phantom
- Replace CR-39 with diode probes
- Converters for fast and thermal neutrons?
- Spectrometric information?

Photon treatments

- NORMA phantom
- Replace CR-39 with diode probes
- 16 channels