
THE HELIOS EXPERIMENT AT THE SPS

I. E_T and multiplicity in pA and AA collisions.

1) Transverse energy measurements in proton-nucleus interactions at high energy.

The HELIOS collaboration. Z. Phys. C 58 (1993) 239.

2) The transverse energy distribution in O^{16} -nucleus collisions at 60 and 200 GeV per nucleon.

The HELIOS collaboration. Z. Phys. C 38 (1988) 383.

3) The transverse-energy distribution of S^{32} -nucleus collisions at 200 GeV per nucleon.

The HELIOS collaboration. Physics Letters 214B (1988) 295.

4) Measurement of the transverse energy flow in nucleus-nucleus collisions at 200 GeV per nucleon.

The HELIOS collaboration. Nuclear Physics B353 (1991) 1.

5) Charged-particle multiplicity distributions in oxygen-nucleus collisions at 60 and 200 GeV per nucleon.

The HELIOS collaboration. Nuclear Physics B333 (1990) 48.

6) A search for multiplicity fluctuations in high energy nucleus-nucleus collisions.

The HELIOS collaboration. Physics Letters 252B (1990) 303.

II. Hadron production in pA and AA collisions.

7) Inclusive negative particle P_T -spectra in p-nucleus and nucleus-nucleus collisions at 200 GeV per nucleon.

The HELIOS collaboration. Z. Phys. C 46 (1990) 361.

8) An emulsion study of O^{16} and S^{32} interactions at 200 GeV per nucleon selected by transverse energy.

The HELIOS collaboration. Nuclear Physics B342 (1990) 279.

9) Proton distributions in the target fragmentation region in proton-nucleus and nucleus-nucleus collisions at high energies.

The HELIOS collaboration. Z. Phys. C 53 (1992) 183.

10) Kaon production in 200 GeV/nucleon nucleus-nucleus collisions.

The HELIOS collaboration. Physics Letters 296B (1992) 273.

III. Search for new particles.

11) A search for weakly interacting neutral particles in missing energy events in 450 GeV/c pN collisions.

The HELIOS collaboration. Z. Phys. C 52 (1991) 219.

IV. Photon production in pA and AA collisions.

12) Inclusive photon production in pA and AA collisions at 200 GeV/u.

The HELIOS collaboration. Z. Phys. C 46 (1990) 369.

13) Soft photon production in 450 GeV/c p-Be collisions.

J. Antos et al., Z. Phys. C 59 (1993) 547.

V. Lepton production in pA collisions.

14) A study of electron-muon pair production in 450 GeV/c p-Be collisions.

The HELIOS collaboration. Z. Phys. C 72 (1996) 429.

15) Low mass lepton pair production in p-Be collisions at 450 GeV.

The HELIOS collaboration. Z. Phys. C 68 (1995) 47.

VI. Diffractive scattering.

16) Diffraction dissociation of nuclei in 450 GeV/c proton-nucleus collisions.

The HELIOS collaboration. Z. Phys. C 49 (1991) 355.