











Fibre Links 4/18/2002

## Properties of links:

- Typical loss of fibre =  $0.25 \ dB/km$  at 1550 nm  $\lambda$ .
- Dispersion:
  - Standard Single Mode Fibre (SSMF) = 17 ps/km/nmNear Zero Dispersion Shifted Fibre (NZDSF) = 4
  - ps/km/nm
- Power output of standard commercial 10 Gbps laser diode+modulators is 1 mW (0 dBm)
- Typical pin photodiode receiver sensitivity for 10<sup>-10</sup> error rate is 10<sup>-2</sup> mW. (-20 dBm)

Back End Preliminary Design Review, 2002 April 24-25, Granada, Spain









