

A Look at the Optical Layer of Data Center Networks

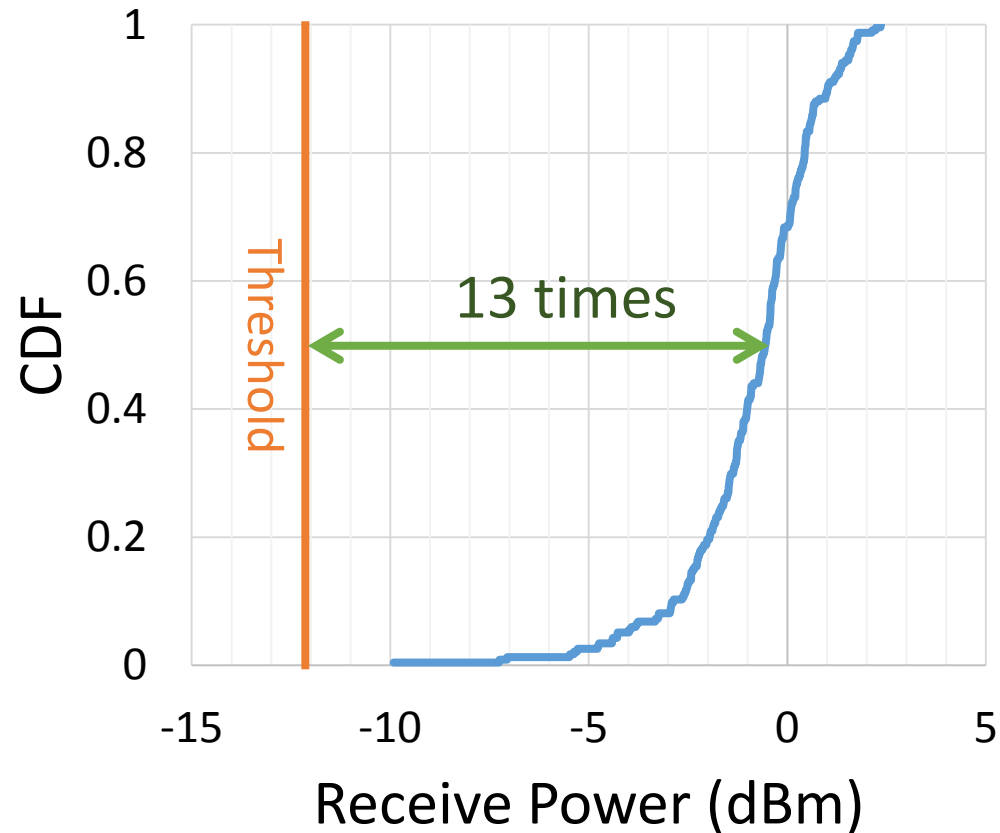
- Optical links are everywhere
- But, we don't know much about them
- First large-scale study of the optical layer in data centers
 - 600K fiber optics links in 90+ data centers across the world



Key observations

#1: Optical links are over-engineered

Implication: reduce cost



#2: Corruption dominates congestion

Implication: improve availability

