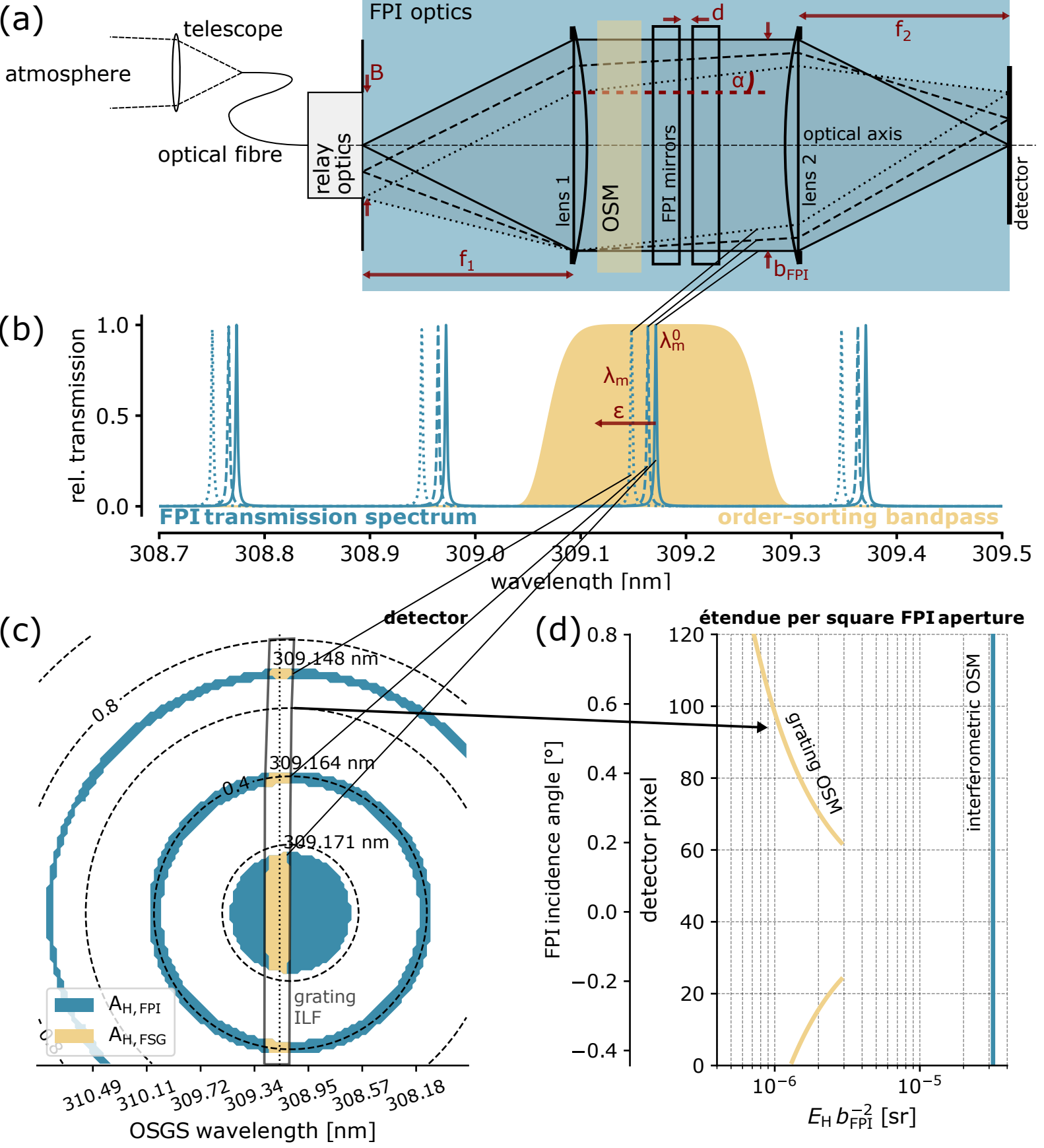
(a)
telescope
atmosphere
optical fibre
relay optics
FPI optics
B
f
d
α
f1
f2
lens 1
OSM
FPI mirrors
lens 2
optical axis
detector
bFPI
(b)
rel. transmission
1.0
0.5
0.0
λ0m
λm
ε
FPI transmission spectrum
order-sorting bandpass
308.7
308.8
308.9
309.0
309.1
309.2
309.3
309.4
309.5
wavelength [nm]
(c)
detector
309.148 nm
309.164 nm
309.171 nm
0.8
0.4
grating ILF
AH, FPI
AH, FSG
310.49
310.11
309.72
309.34
308.95
308.57
308.18
OSGS wavelength [nm]
(d)
étendue per square FPI aperture
FPI incidence angle [°]
detector pixel
grating OSM
interferometric OSM
0.8
0.6
0.4
0.2
0.0
−0.2
−0.4
120
100
80
60
40
20
0
10−6
10−5
EH b−2FPI [sr]