

Wrap-up of the Forecast Paper

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(on behalf of many others)

Foreword

If you still don't have access to the draft...

- Link is on slack #paperwriting channel
- If you need some help, send me an email

Suggestions

- Everyone who will sign the paper should read it (and ideally comment/contribute to it)
- Remote “hack day” for paper writing ?

Main objective(s)

Cover as much ground as can be done...

... and specify what we did not do (and why)

Remaining issues

- Which combination of observables ?

Proposed case n°1

	T	E	B	P	D	L
T	tt	te	tb	tp	td	tl
	V	V	X	X	X	X
E		ee	eb	ep	ed	el
		V	X	X	X	X
B			bb	bp	bd	bl
			X	X	X	X
P				pp	pd	pl
(CMB lens.)				X	X	X
D					dd	dl
(Gal. Clus.)					V	V
L						ll
(Weak Lens.)						V

+ Gal. Clus.
Spec.

- Euclid Fisher + Planck 2018 fit (TTTEEE+lowTT+lowEE)
- Euclid Fisher + CMB Fisher

Proposed case n°2

	T	E	B	P	D	L
T	tt	te	tb	tp	td	tl
	V	V	X	X	X	X
E		ee	eb	ep	ed	el
		V	X	X	X	X
B			bb	bp	bd	bl
			V	X	X	X
P				pp	pd	pl
(CMB lens.)				V	X	X
D					dd	dl
(Gal. Clus.)					V	V
L						ll
(Weak Lens.)						V

+ Gal. Clus.
Spec.

- Euclid Fisher + Planck 2018 fit (TTTEEE+lowTT+lowEEBB+lens)
- Euclid Fisher + CMB Fisher

Remaining issues

- Which combination of observables ?
- To B or not to B ? If yes, with $r \neq 0$? If yes, which fiducial ?

Proposed case n°2

	T	E	B	P	D	L
T	tt	te	tb	tp	td	tl
	V	V	X	X	X	X
E		ee	eb	ep	ed	el
		V	X	X	X	X
B			bb	bp	bd	bl
			V	X	X	X
P				pp	pd	pl
(CMB lens.)				V	X	X
D					dd	dl
(Gal. Clus.)					V	V
L						ll
(Weak Lens.)						V

+ Gal. Clus.
Spec.

- Euclid Fisher + Planck 2018 fit (TTTEEE+lowTT+lowEEBB+lens)
- Euclid Fisher + CMB Fisher

Proposed case n°3

	T	E	B	P	D	L
T	tt	te	tb	tp	td	tl
	V	V	X	V	X	X
E		ee	eb	ep	ed	el
		V	X	?	X	X
B			bb	bp	bd	bl
			V	?	X	X
P				pp	pd	pl
(CMB lens.)				V	X	X
D					dd	dl
(Gal. Clus.)					V	V
L						ll
(Weak Lens.)						V

+ Gal. Clus.
Spec.

- ~~Euclid Fisher + Planck 2018 fit~~
- Euclid Fisher + CMB Fisher (+ X-correlations)

Proposed case n°4

	T	E	B	P	D	L
T	tt	te	tb	tp	td	tl
	V	V	X	V	V	V
E		ee	eb	ep	ed	el
		V	X	?	?	?
B			bb	bp	bd	bl
			V	?	?	?
P				pp	pd	pl
(CMB lens.)				V	V	V
D					dd	dl
(Gal. Clus.)					V	V
L						ll
(Weak Lens.)						V

+ Gal. Clus.
Spec.

- ~~Euclid Fisher + Planck 2018 fit~~
- Full Euclid x CMB Fisher

Remaining issues

- Which combination of observables ?
- To B or not to B ? If yes, with $r \neq 0$? If yes, which fiducial ?

Remaining issues

- Which combination of observables ?
- To B or not to B ? If yes, with $r \neq 0$? If yes, which fiducial ?
- Non-flat models ?

Remaining issues

- Which combination of observables ?
- To B or not to B ? If yes, with $r \neq 0$? If yes, which fiducial ?
- Non-flat models ?
- IA or no IA ?

Remaining issues

- Which combination of observables ?
- To B or not to B ? If yes, with $r \neq 0$? If yes, which fiducial ?
- Non-flat models ?
- IA or no IA ?
- Which ell max choice(s) ?

Remaining issues

- Which combination of observables ?
- To B or not to B ? If yes, with $r \neq 0$? If yes, which fiducial ?
- Non-flat models ?
- IA or no IA ?
- Which ell max choice(s) ?
- IST : Binned spectra & minimum ell “issues” (?)

Remaining issues

- Which combination of observables ?
- To B or not to B ? If yes, with $r \neq 0$? If yes, which fiducial ?
- Non-flat models ?
- IA or no IA ?
- Which ell max choice(s) ?
- IST : Binned spectra & minimum ell “issues” (?)
- Gamma in CAMB sources ? (MGCAMB v3.0 out)

The end (for now)

Thank you for
your attention !