|  |  |  |  |
| --- | --- | --- | --- |
|  | **General Output Format : (a/b) (c/d) [e,f]**  **1) First couple of values : Without 𝛾**  **(a / b)**  **2)Second couple of values : With 𝛾 (c / d)**  **3) Inside each couple of values : (a1 / b1) = (FoM(10 bins ) / FoM(11bins))**  **4) Inside a couple of values for GCsp: (a2 / b2) = FoM(4 bins) /FoM(5 bins)**  **5) Standard deviation for each 𝛾 case (within brackets) : σ on (c,d) 𝛾 cases [e, f] = [σc, σd]** | | |
| **Pessimistic (IST case):**  kmax = 0.25 h.Mpc-1  lmax(WL) = 1500  lmax(GCph) = 750  lmax(XC) = 750  sig\_p, sig\_v to estimate  Zcut for GCsp combined with GCph | **Semi - Pessimistic:**  kmax = 0.25 h.Mpc-1  lmax(WL) = 1500  lmax(GCph) = 750  lmax(XC) = 750  sig\_p, sig\_v to estimate  No Zcut for GCsp combined with GCph | **Optimistic (IST case):**  kmax = 0.3 h.Mpc-1  lmax(WL) = 5000  lmax(GCph) = 3000  lmax(XC) = 3000  sig\_p, sig\_v fixed  No Zcut for GCsp combined with GCph |
| GCsp - No 𝛾 (4/5 bias)  GCsp - 𝛾 (4/5 bias) | (14.18 / 13.81)  (7.39 / 6.84)  [ 0.182 , 0.181] | (14.18 / 13.81)  (7.39 / 6.84)  [ 0.182 , 0.181 ] | (56.14 / 52.61)  (37.73 / 34.48)  [ 0.136 , 0.133 ] |
| **Number of photo bias :**  **(No spectro bias here)** | **Pessimistic:**  **(10) / Extended (11)**  **Zcut < 0.9** | **Semi- Pessimistic case =**  **Pessimistic (IST case):**  **(10) / Extended (11)**  **No-Zcut** | **Optimistic (IST case):**  **(10) / Extended (11)**  **No-Zcut** |
| GCph | (1.69 / 1.69)  (1.10 / 1.10)  [ 0.466 , 0.466 ] | (4.25 / 4.93)  (3.15 / 3.78)  [ 0.429 , 0.409 ] | (61.80 / 66.55)  (55.08 / 59.48)  [ 0.129 , 0.128 ] |
| WL | (24.09 / 25.72)  (7.13 / 8.01)  [ 0.191 , 0.180 ] | (24.09 / 25.72)  (7.13 / 8.01)  [ 0.191 , 0.180 ] | (46.82 / 50.65)  (13.97 / 15.61)  [ 0.09 , 0.08 ] |
| GCph + WL + XC | (211.52 / 213.50)  (75.70 / 77.80)  [ 0.079 , 0.077 ] | (358.41 / 382.86)  (128.96 / 142.14)  [ 0.062 , 0.058 ] | (1006.13 / 1035.82)  (441.97 / 477.52)  [ 0.021 , 0.020 ] |
| **Synthesis with simple sum (GCsp+GCph+WL) and**  **GCsp+ (GCph+WL+XC)** | **Pessimistic (IST case):** **zcut (5 first bias for GCph) Zcut < 0.9** | **Semi-Pessimistic case:**  **(10) / Extended (11)**  **No-Zcut** | **Optimistic (IST case):**  (**10) / Extended (11)**  **No-Zcut** |
| 1. Specifications IST :  * (4 bias spectro) :   GCsp + GCph + WL | (121.73 / 125.30)  (99.81 / 102.38)  [ 0.036, 0.035 ] | (151.05 / 156.16)  (119.72 /127.41)  [ 0.035 , 0.035 ] | (351.18 / 367.42)  (262.88 /279.53)  [ 0.018 , 0.017 ] |
| 1. Specifications IST :  * (4 bias spectro) :   GCsp + (GCph + WL + XC) | (384.80 / 386.64)  (255.84 / 257.64 )  [ 0.031, 0.031 ] | (550.01 / 573.48)  (320.07 / 333.93)  [ 0.029 , 0.028 ] | (1220.39 / 1249.97)  (692.62 /725.96)  [ 0.016 , 0.015 ] |
| 1. New specifications  * Bias independent :   (5 bias spectro) :  GCsp + GCph + WL | (119.67 / 123.34)  (99.20 / 101.84 )  [ 0.035, 0.035 ] | (146.68 / 154.12)  (119.72 / 125.45)  [ 0.035 , 0.035 ] | (340.83 / 357.19)  (255.68 / 272.10)  [ 0.018 , 0.017 ] |
| 1. New specifications  * Bias independent :   (5 bias spectro) :  GCsp + (GCph + WL + XC) | (389.00 / 386.80)  (259.32 / 261.08)  [ 0.031, 0.030 ] | (548.22 / 571.35)  (320.84 / 334.05)  [ 0.029 , 0.028 ] | (1209.80 / 1235.09)  (682.82 / 716.27)  [ 0.016 , 0.015 ] |
| 1. « common bias » : ( No 𝛾) ( 𝛾)  * 5 Bias dependent :   GCsp + (GCph + WL + XC) | **Not computable since z\_cut < 0.9** | (781.09) (587.24)  [ 0.017 ] | (1565.86) (1254.87)  [ 0.009 ] |