

Data for Kin1-2 are from the runs:

```
int runlist_kin12_list1[] = {2939,2940,2941,2942,2943,2944,2945,2946,2947,2985,  
2986,2987,2988,2989,2994,2995,2996,2997,2998,2999,  
3000,3001,3002,3004,3005,3006,3007,3008,3009,3010,  
3011,3012,3014,3015,3016,3017,3018,3019,3020,3021}; //list1 kin1
```

```
int runlist_kin12_list2[] = {3022,3025,3026,3027,3028,3029,3031,3033,3034,3035,  
3036,3037,3038,3039,3040,3043,3044,3045,3046,3047,  
3048,3049,3050,3051,3053,3054,3055,3056,3058,3059,  
3061,3062,3063,3064,3065,3066,3067,3068,3069,3070}; //list2
```

```
int runlist_kin12_list3[] = {3071,3072,3073,3074,3076,3077,3078,3079,3080,3081,  
3082,3083,3084,3086,3087,3088,3089,3090,3091,3092,  
3093,3094,3096,3097,3098,3099,3100,3101,3102,3103,  
3105,3106,3107,3108,3109,3110,3111,3113,3114,3115 }; //list3
```

```
int runlist_kin12_list4[] = {3116,3117,3119,3120,3121,3122,3123,3124,3125,3126,  
3127,/*3128,*/3129,3130,3131,3133,3135,3136,3137,3138,  
3139,3140,3141,3142,3143,3144,3145,3146,3147,3148,  
3149}; //list4 kin2 //30
```

///Kin 3

```
int runlist_kin3_list5[] = {/*3188,3189,*/3190,3191,3192,3193,3194,3196,3197,  
3198,3199,3200,3201,3202,3203,/*3204,*/3206,/*3208,3209*/,  
3210,3211,3212,3213,3214,3215,3216,3218,/*3219,*/3221,  
3222,3224,3225,3226,3227,3228,3229,3230,3231,3232}; //33
```

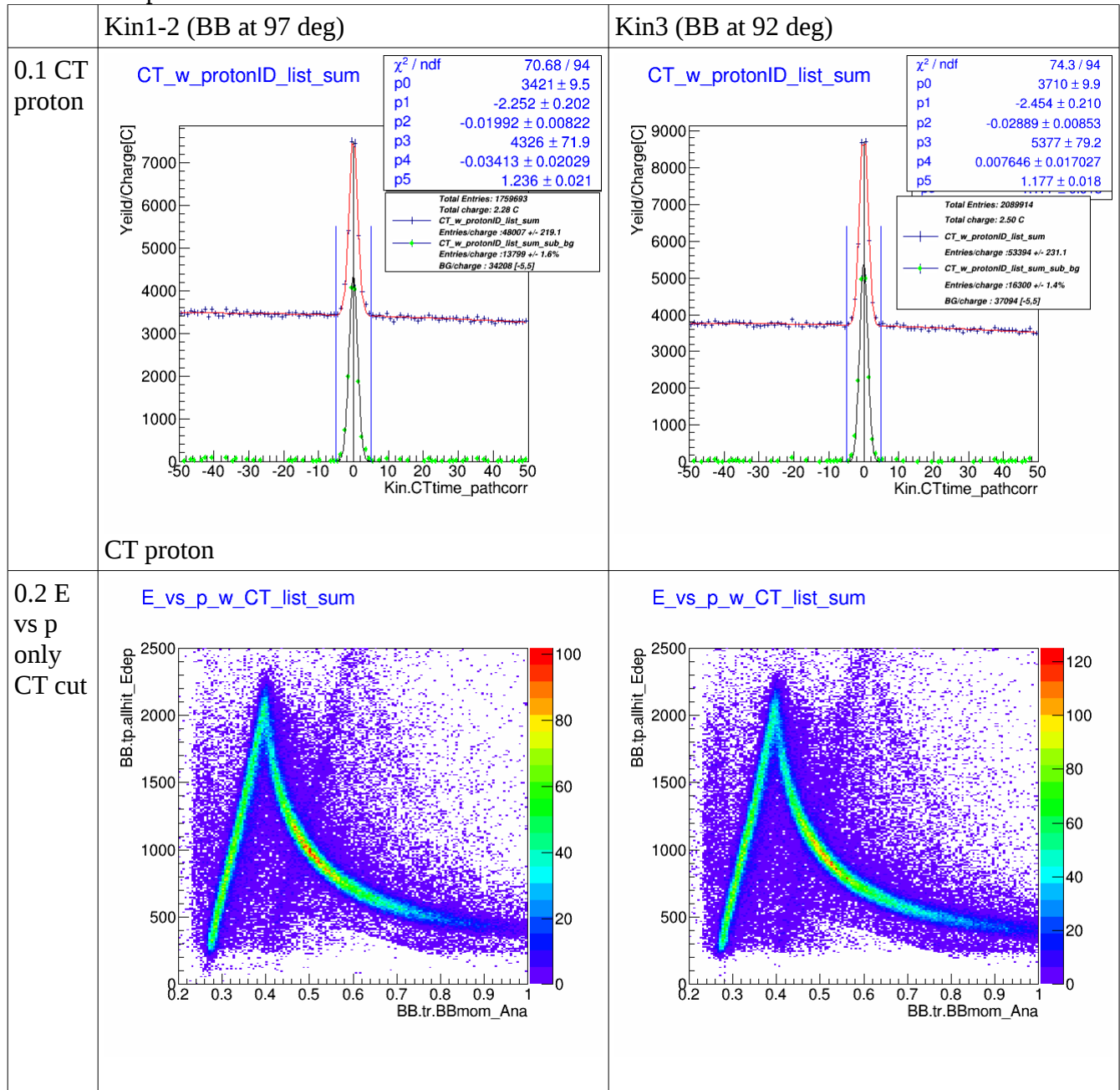
```
int runlist_kin3_list6[] = {3233,3234,3236,3238,3239,3240,3241,3242,3243,3244,  
3245,3246,3247,3248,3249,3250,/*3251,3252,3254,3255,  
3256,3257,3258,3259,3260,*/  
3261,3262,3263,3264,3265,  
3266,3267,3268,3269,3270  
/*,3271,3272,3273,3274,3277,  
3278,3279,3280,3281,3282,3283,3284,3285,3287,3288*/  
}; //list6 //26 //35//50
```

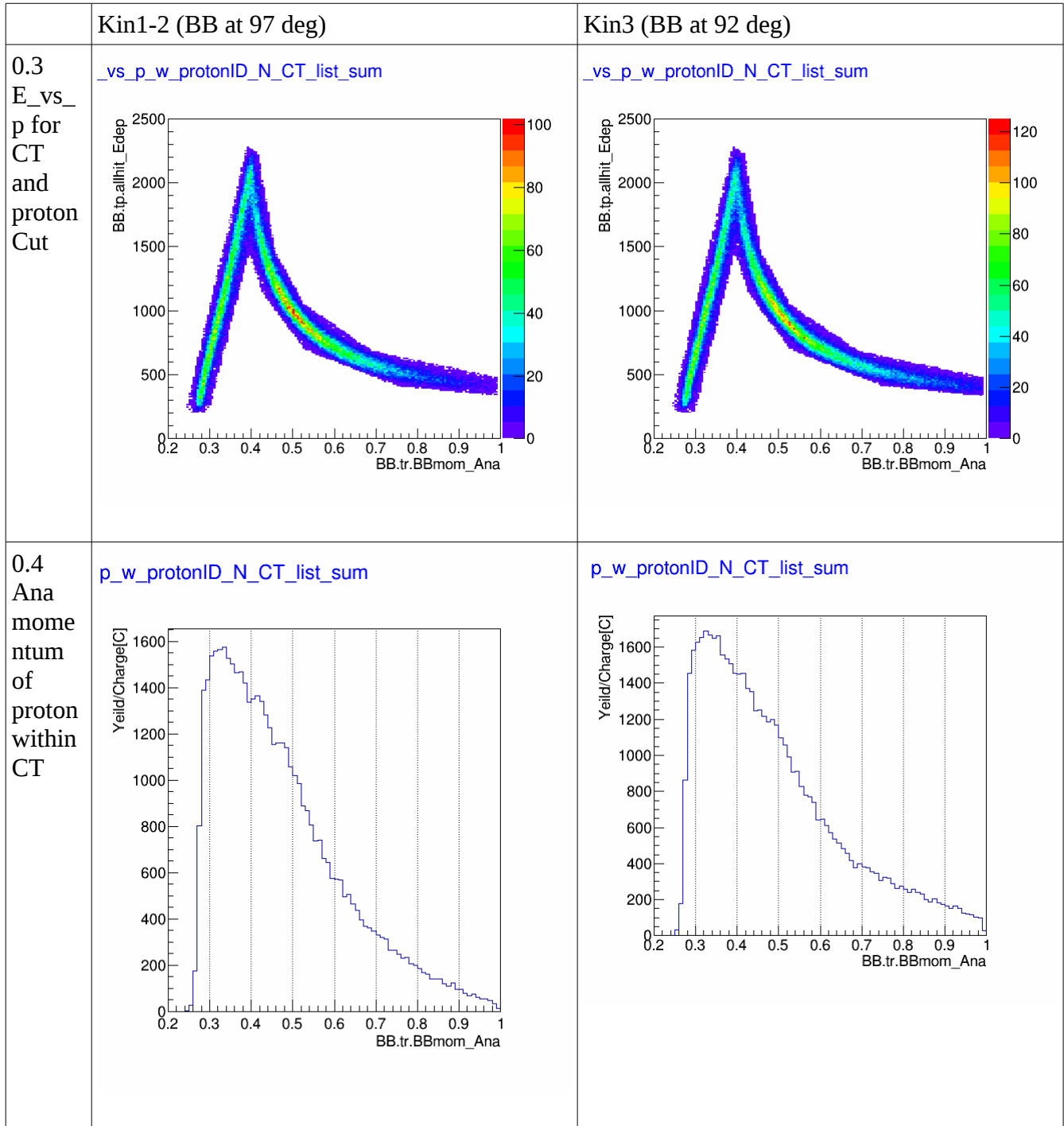
```
int runlist_kin3_list7[] = {3294,3295,3296,3297,3298,3299,3300,3312,3313,3314,  
3315,3316,3317,3319,3320,3321,3322,3323,3324,3325,  
3326,3327,3328,3329,3330,3331,3332,3333,3334,3335,  
3347,3348,3349,3350,3351,3352,3353,3354,3355,3387}; //list7 //40
```

```
int runlist_kin3_list8[] = {3388,3389,3390,3391,3392,3393,3394,3395,3396,3397,  
3398,3399,3400,3401,3402,3403,3404,3405,3406,3407,  
3408,3409,3410,3411,3412,3413,3414,3415,3416,3417}; //list8 //30
```

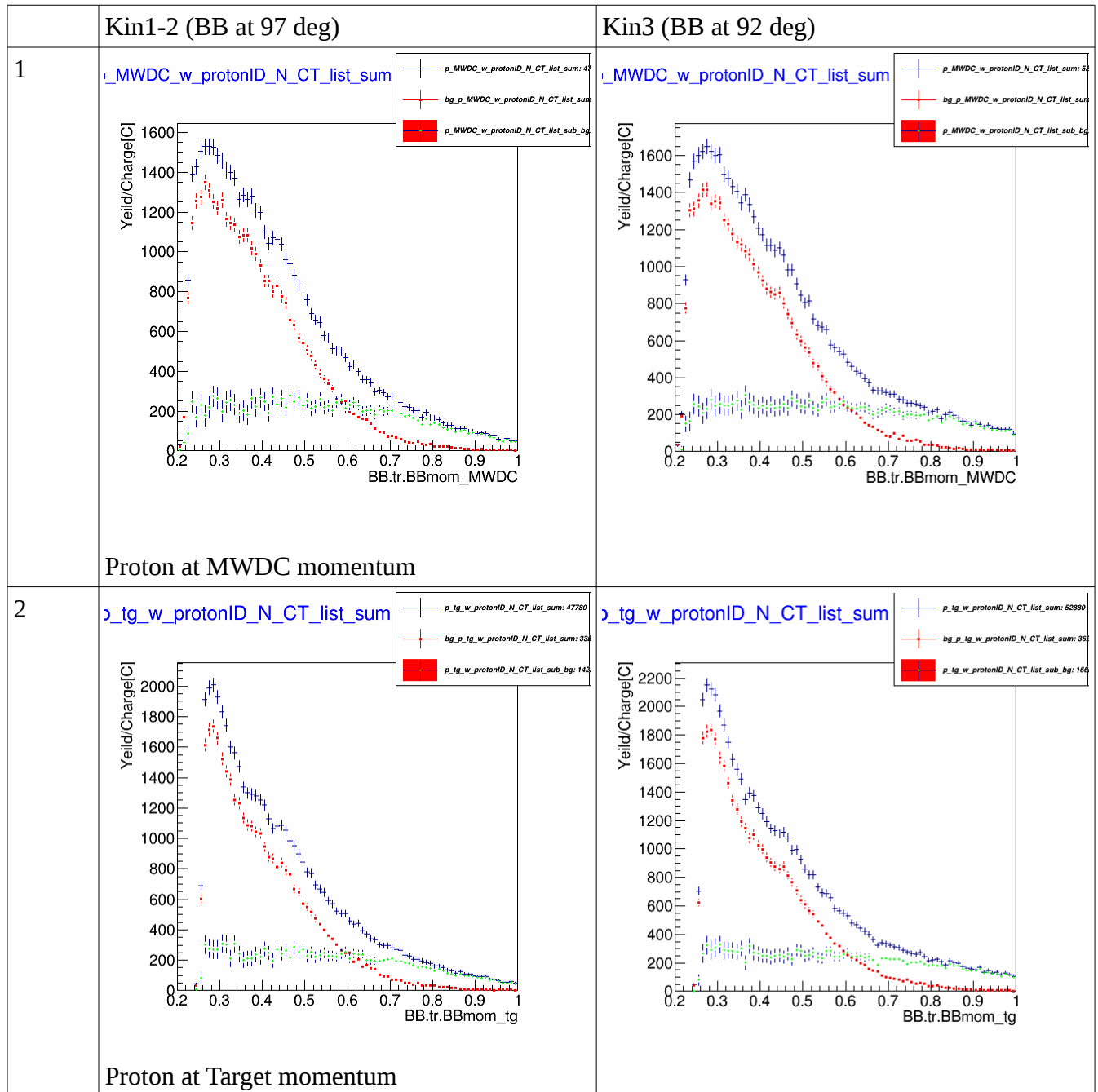
```
int runlist_kin3_list9[] = {3418,3419,3420,3421,3422,3423,3424,3425,3426,3427,  
3428,3429,3430,3431,3433,3434,3435,3436,3437,3438 ,  
3439,3440,3441,3442,3443,3444,3445,3446,3447,3448,  
3449,3450,3451,3452,3453,3454,3454}; //list9 //37
```

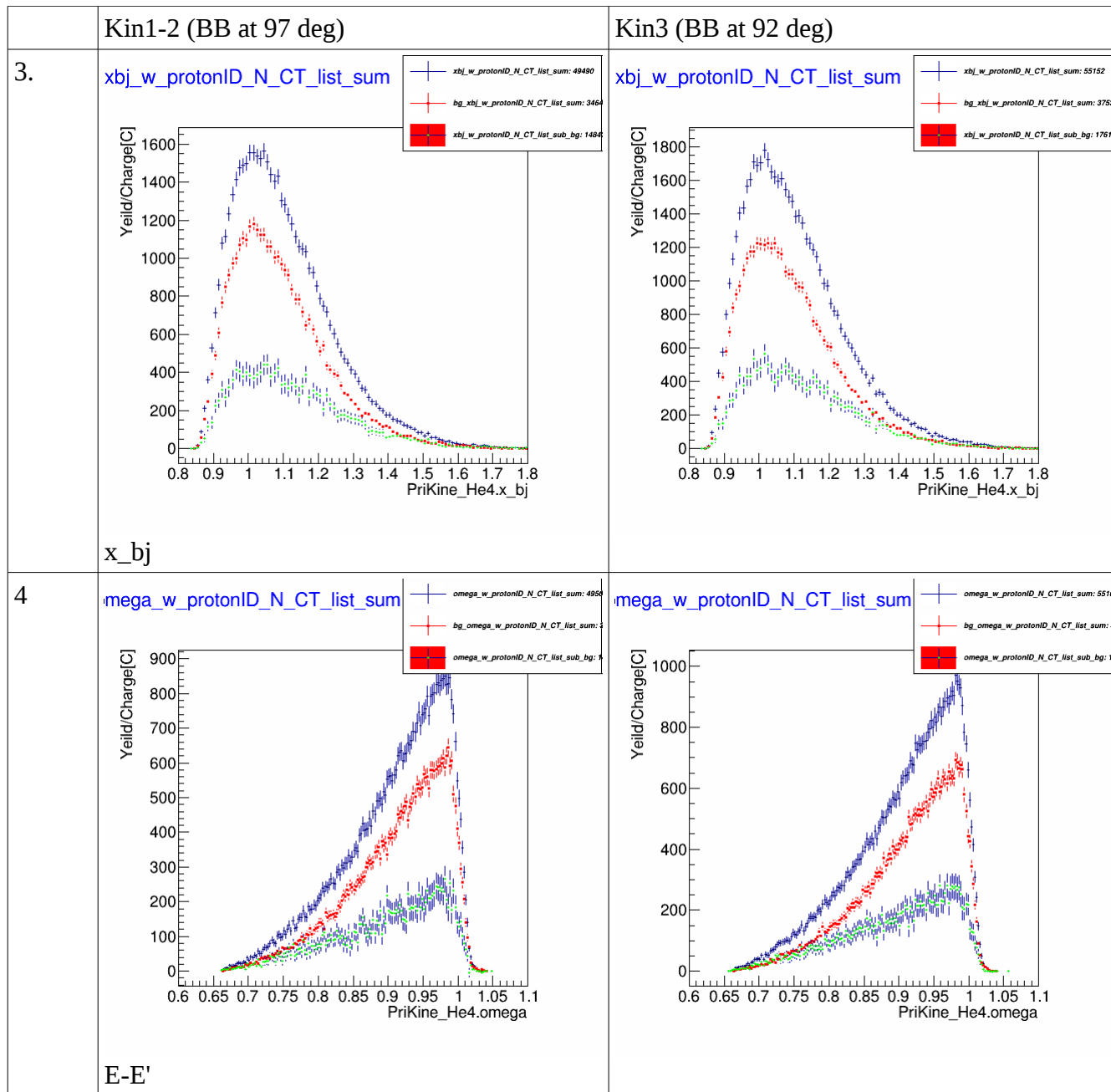
Now let compare some data from two kinematics





The following data have both proton PID and CT cut





There are no prescale for T3

