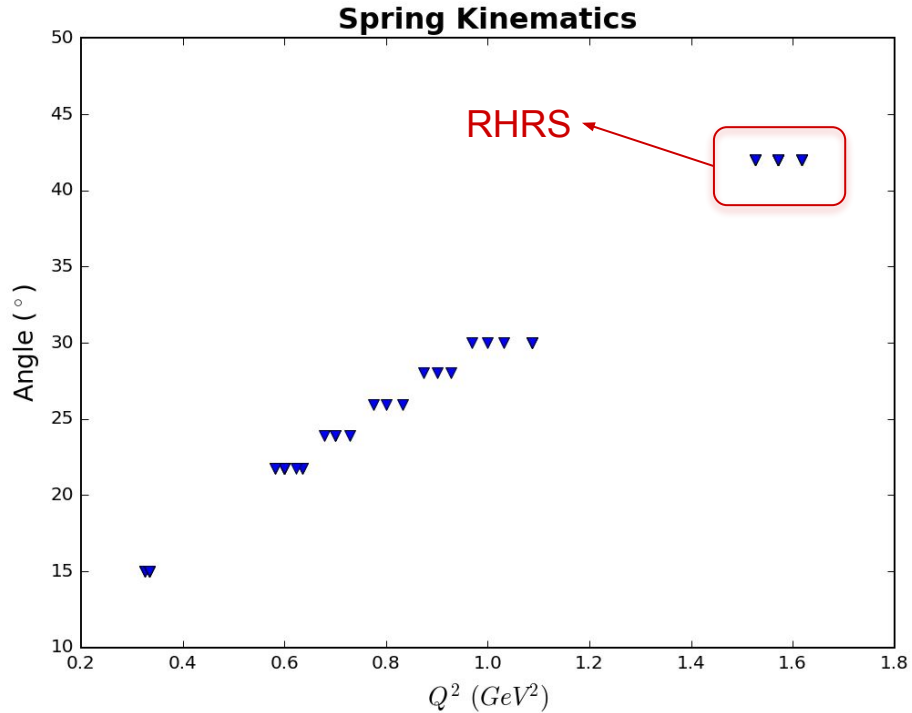
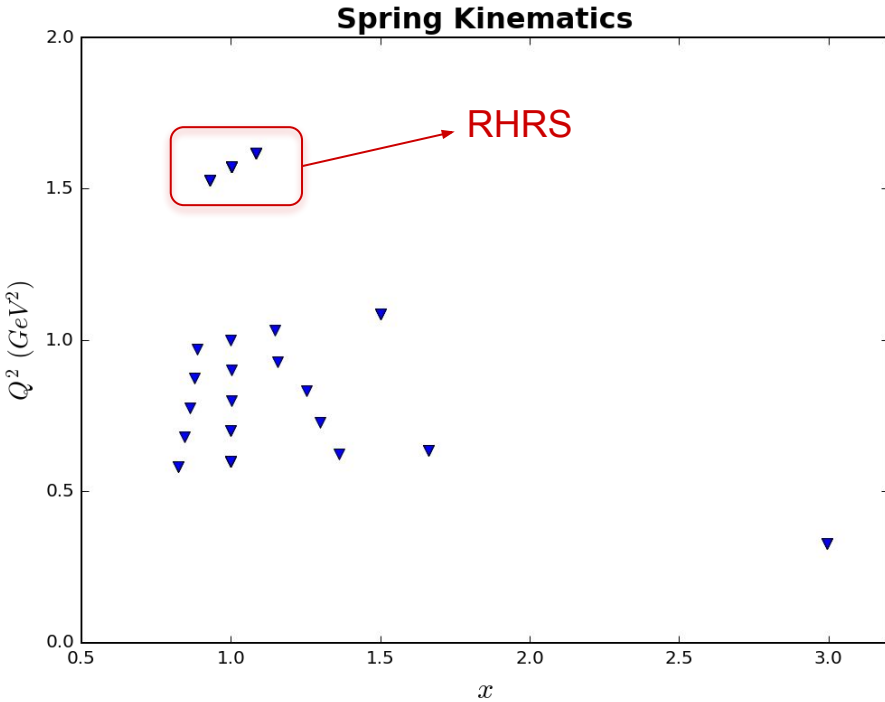


Data Summary

E12-11-112

Spring 2018

Kinematic Settings in Spring 2018



Summary Runs

LHRS

	Target	Angle (°)	Momentum (GeV)	Run Numbers
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Boiling	3H	21.778	1.896	3099-3100
	3H3	21.778	1.896	3101
	Optics	21.778	1.896	3102
	Empty Cell	21.778	1.896	3103

Elastic	3H	15.004	2.158	3040-3042
	3He	15.004	2.158	3043-3046
	Note: The rate was very high, therefore the momentum was increased by 2.5% https://logbooks.jlab.org/entry/3571872			
	3H	15.004	2.212	3055-3060
	3He	15.004	2.212	3047-3054
	Empty Cell	15.004	2.212	3061-3063
	1H	15.004	2.051	3064-3067

x>1	3H	21.778	2.012	3071-3072
	3He	21.778	2.012	3073-3074
	2H	21.778	2.012	3076-3078
	Empty Cell	21.778	2.012	3075

x>1	3H	30.001	1.830	3145, 3185, 3188
	3He	30.001	1.830	3148, 3186, 3187
	2H	30.001	1.830	3146-3146, 3184
	Empty Cell	30.001	1.830	3149, 3183

Quasielastic Data

L21-HS	3H	21.778	1.972	3084
	3He	21.778	1.972	3082-3083
	2H	21.778	1.972	3079-3080
	Empty Cell	21.778	1.972	3081

L21-PK	3H	21.778	1.896	3085-3089, 3097-3098
	3He	21.778	1.896	3090, 3096
	2H	21.778	1.896	3092-3093
	1H	21.778	1.896	3094-3095
	Empty Cell	21.778	1.896	3091

L21-LS	3H	21.778	1.839	3104-3105
	3He	21.778	1.839	3106-3107
	2H	21.778	1.839	3110-3111
	Empty Cell	21.778	1.839	3108-3109

	Target	Angle (°)	Momentum (GeV)	Run Numbers
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L24-HS	3H	23.891	1.917	3156
	3He	23.891	1.917	3155
	Empty Cell	23.891	1.917	3154

L24-PK	3H	23.891	1.843	3157-3158
	3He	23.891	1.843	3161
	2H	23.891	1.843	3159-3160
	1H	23.891	1.843	3162
	Empty Cell	23.891	1.843	3163

L24-LS	3H	23.891	1.788	3167
	3He	23.891	1.788	3165-3166
	Empty Cell	23.891	1.788	3164

Quasielastic Data

L26-HS	3H	25.952	1.862	3115
	3He	25.952	1.862	3113
	2H	25.952	1.862	3114
	Empty Cell	25.952	1.862	3112

L26-PK	3H	25.952	1.790	3116
	3He	25.952	1.790	3119-3120
	2H	25.952	1.790	3117
	1H	25.952	1.790	3118
	Empty Cell	25.952	1.790	3121

L26-HS	3H	25.952	1.737	3127
	3He	25.952	1.737	3125
	2H	25.952	1.737	3126
	Empty Cell	25.952	1.737	3124

	Target	Angle (°)	Momentum (GeV)	Run Numbers
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L28-LS	3H	28.006	1.788	3173
	3He	28.006	1.788	3172
	Empty Cell	28.006	1.788	3171

L28-PK	3H	28.006	1.737	3174
	3He	28.006	1.737	3176
	2H	28.006	1.737	3175
	1H	28.006	1.737	3177
	Empty Cell	28.006	1.737	3178

L28-LS	3H	28.006	1.685	3181
	3He	28.006	1.685	3180
	Empty Cell	28.006	1.685	3179

Quasielastic Data

	Target	Angle (°)	Momentum (GeV)	Run Numbers
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L30-HS	3H	30.001	1.737	3134
	3He	30.001	1.737	3132
	2H	30.001	1.737	3133
	Empty Cell	30.001	1.737	3131

L30-PK	3H	30.001	1.683	3135
	3He	30.001	1.683	3138
	2H	30.001	1.683	3136
	1H	30.001	1.683	3137
	Empty Cell	30.001	1.683	3139

L30-LS	3H	30.001	1.633	3144
	3He	30.001	1.633	3141-3142
	2H	30.001	1.633	3143
	Empty Cell	30.001	1.633	3140

Summary Runs

RHRS

	Target	Angle (°)	Momentum (GeV)	Run Numbers
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R42-HS	3H	42.025	1.420	93096, 93097, 93105, 93106, 93116, 93117, 93118
	3He	42.025	1.420	93094, 93100, 93103, 93109, 93115, 93121
	2H	42.025	1.420	93095, 93098, 93104, 93107, 93108, 93119, 93120
	1H	42.025	1.420	93099, 93122
	Empty Cell	42.025	1.420	93093, 93101-93102, 93110, 93114, 93123, 93124

R42-PK	3H	42.025	1.379	93040-93042, 93045, 93051, 93058-93059, 93065-93067, 93071, 93078-93079, 93091
	3He	42.025	1.379	93043-93044, 93052, 93057, 93060, 93064, 93068, 93072, 93076, 93083-93084, 93089
	2H	42.025	1.379	93054, 93055, 93062, 93074, 93077, 93080-93081, 93090
	1H	42.025	1.379	93047, 93063, 93082
	Empty Cell	42.025	1.379	93046, 93053, 93056, 93061, 93070, 93073, 93075, 93085, 93088

R42-HS	3H	42.025	1.420	93127, 93133, 93134, 93141, 93145, 93148
	3He	42.025	1.420	93125-93126, 93132, 93136, 93140, 93146-93147
	2H	42.025	1.420	93135, 93144
	1H	42.025	1.420	93137
	Empty Cell	42.025	1.420	93131, 93138, 93139, 93143

Survey

Spectrometer Survey

Only the LHRS had a survey at 15.004°:

https://hallaweb.jlab.org/wiki/images/9/98/DT_A1861.pdf

Alignment/lifter position data for hall A T2 target 1/3/2018:

<https://logbooks.jlab.org/entry/3510390>

<https://logbooks.jlab.org/entry/3511469>

Target Survey after the experiments:

<https://logbooks.jlab.org/entry/3577973>

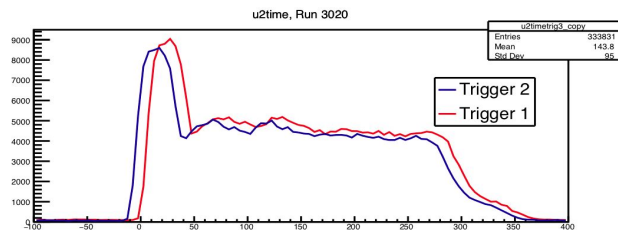
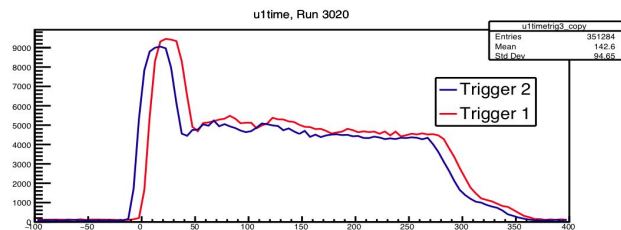
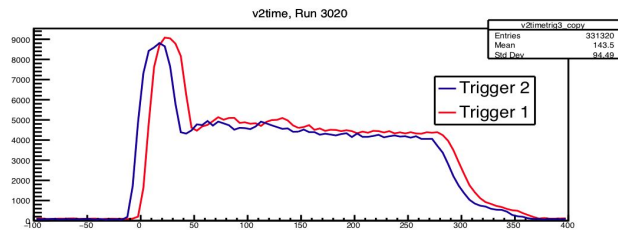
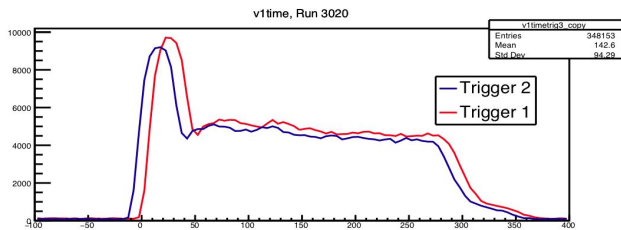
Pass1 Replay with Marathon Calibrations , optics from early spring 2018 (not the most recent version) and with the new THaTriggerTime for trigger-type dependent VDC offsets class from Shujie

Located at

`/mss/halla/triton/prod/spring2018/pass1`

`/volatile/halla/triton/nathaly/src/sprin2018/pass1/`

Before



THaTriggerTime

After

