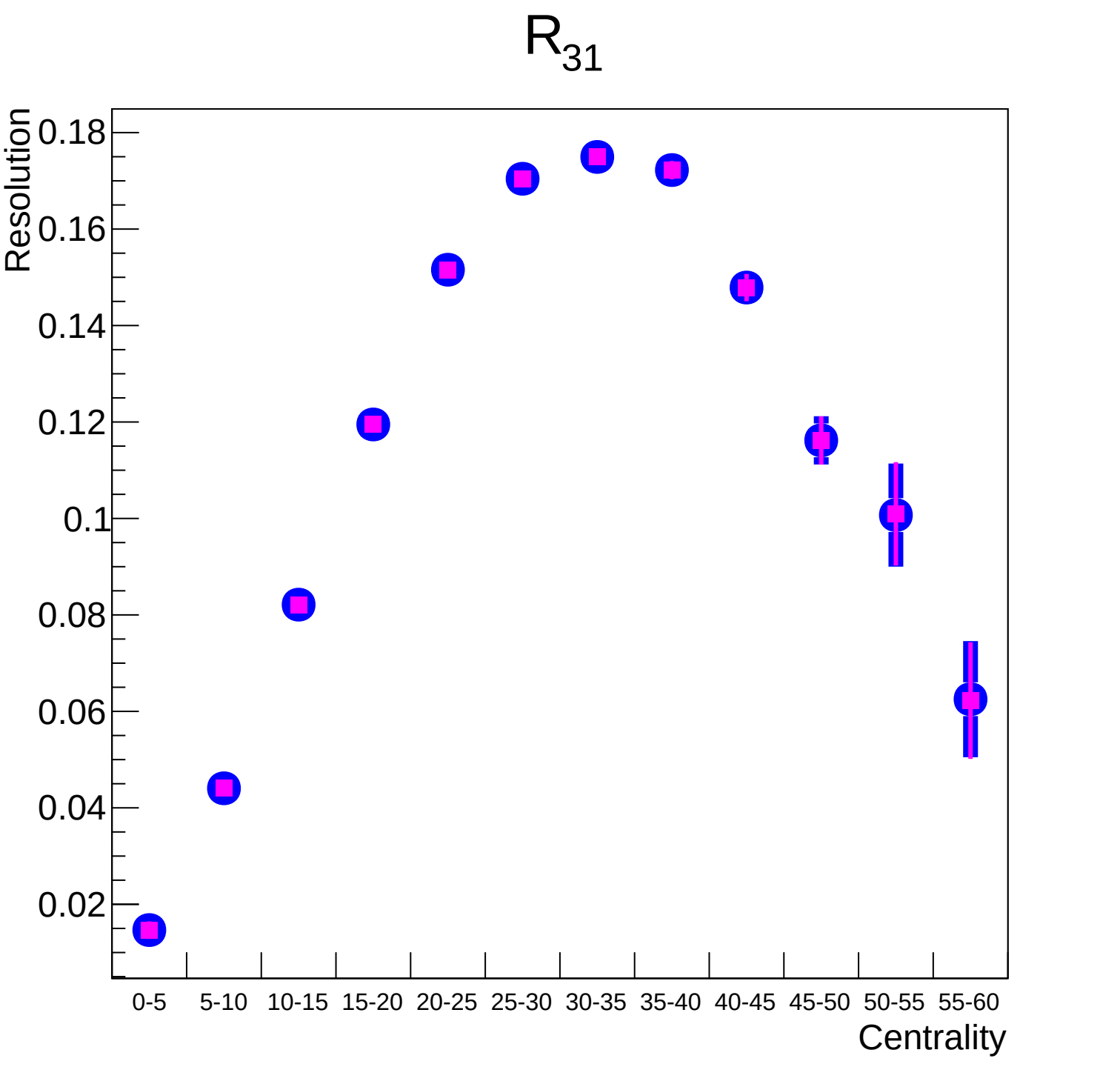
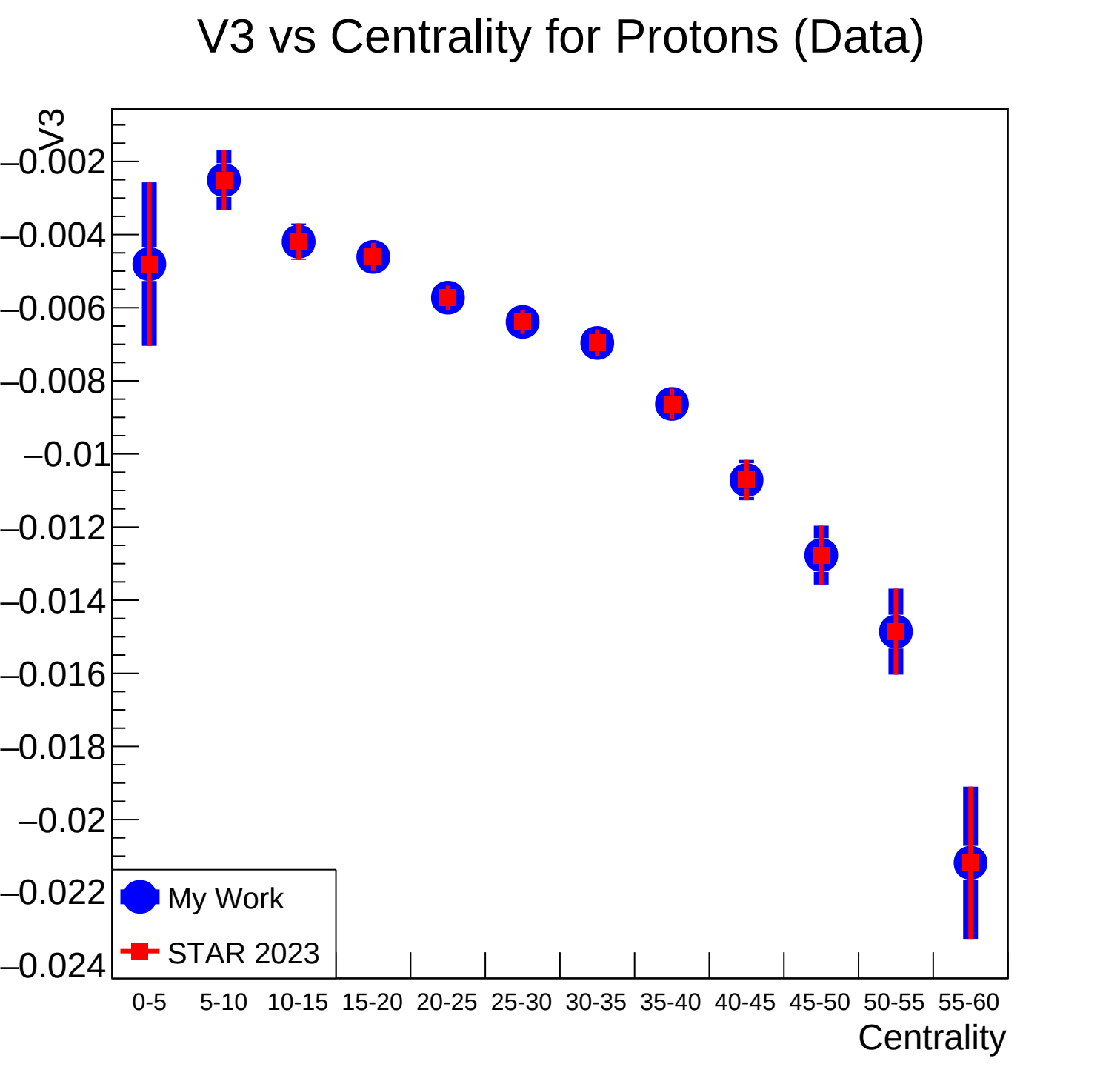
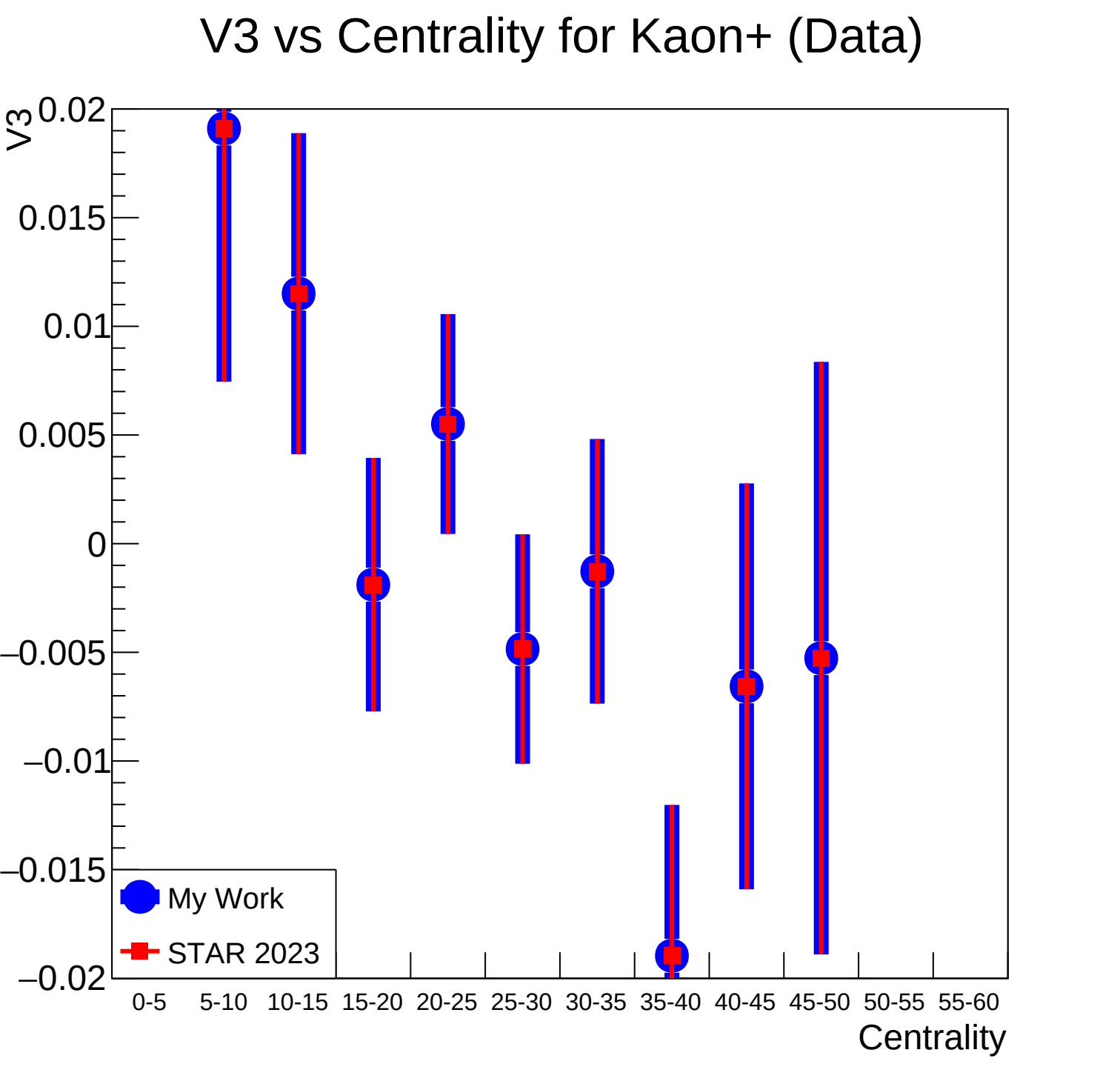
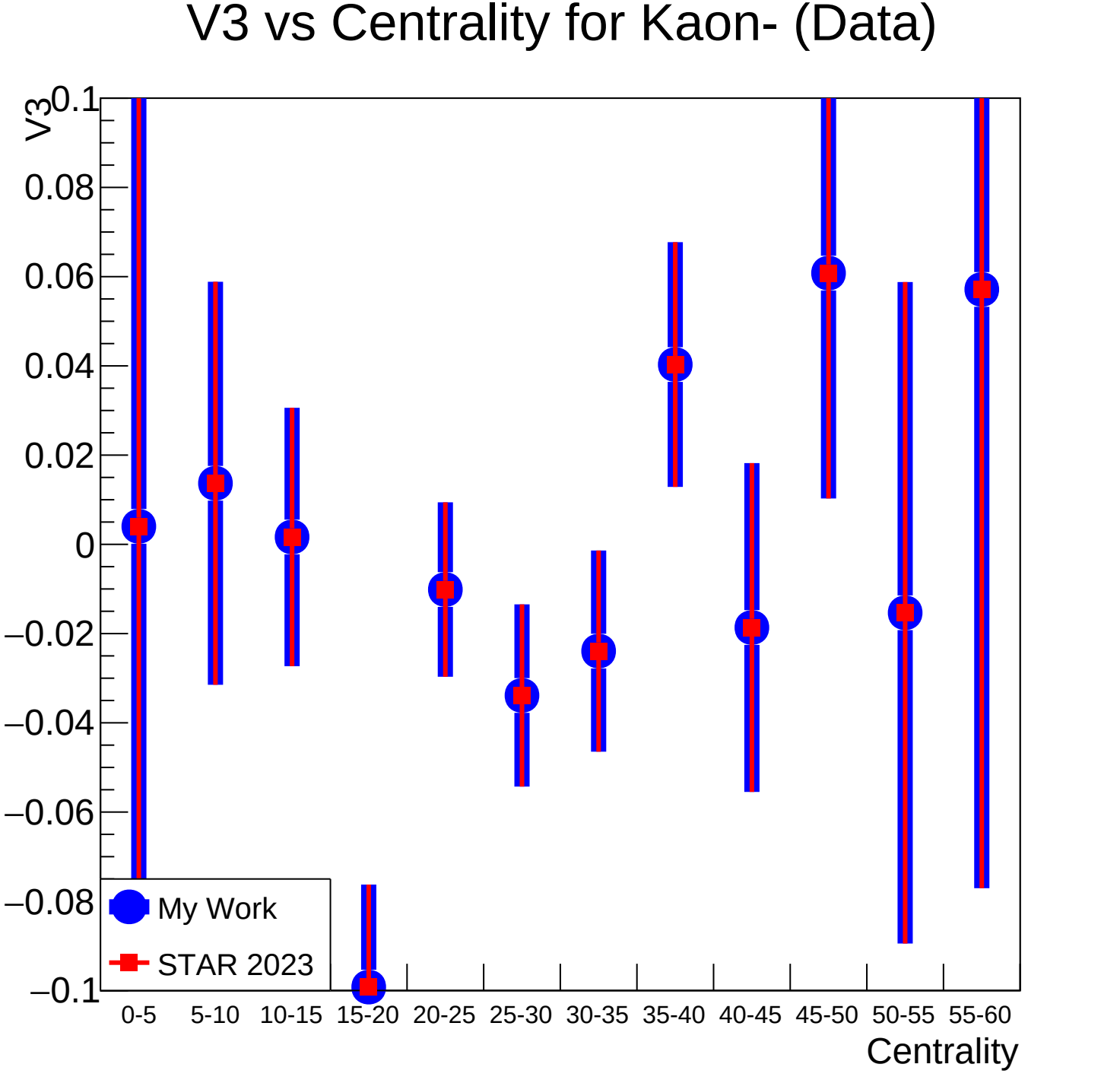
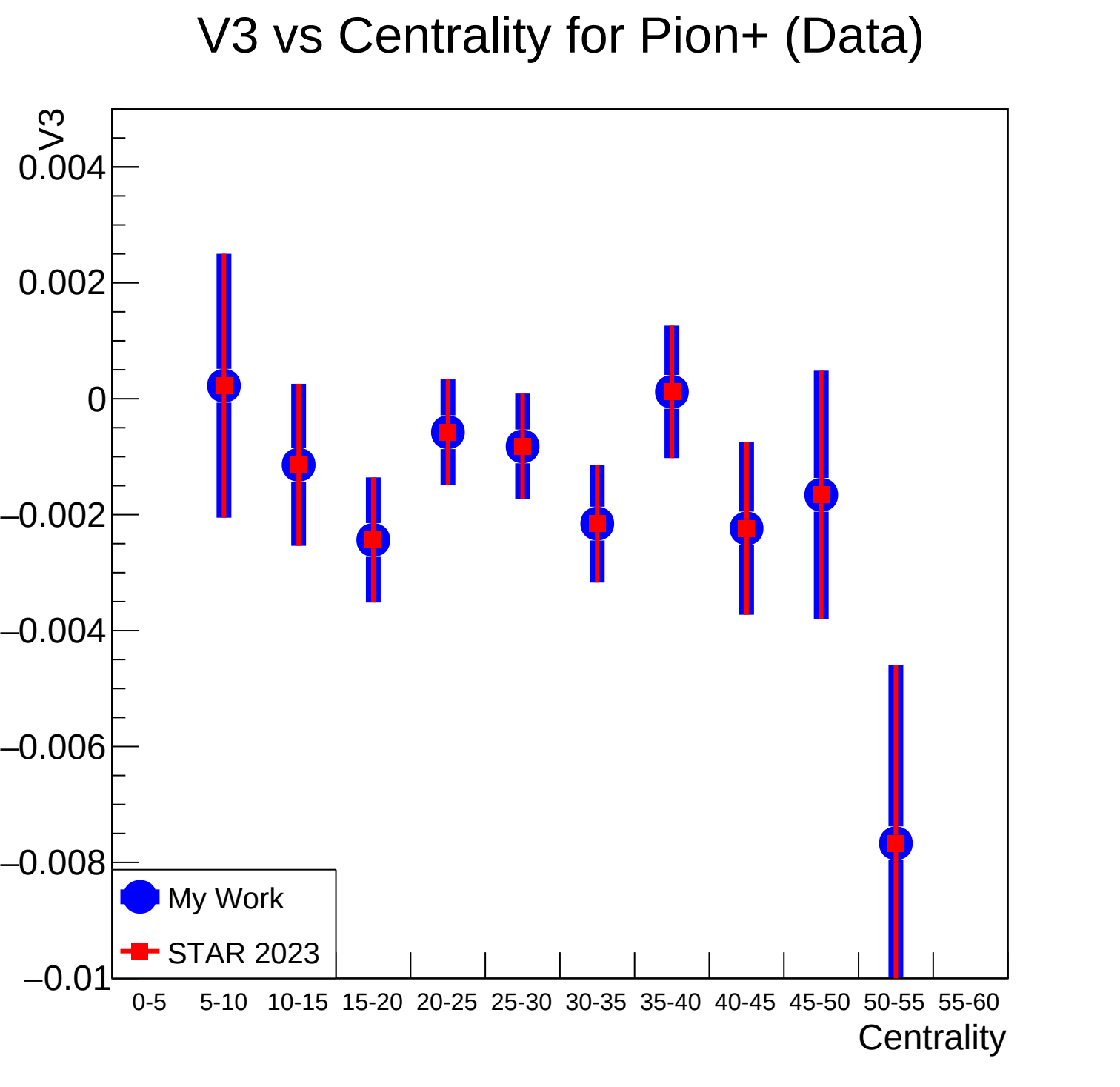
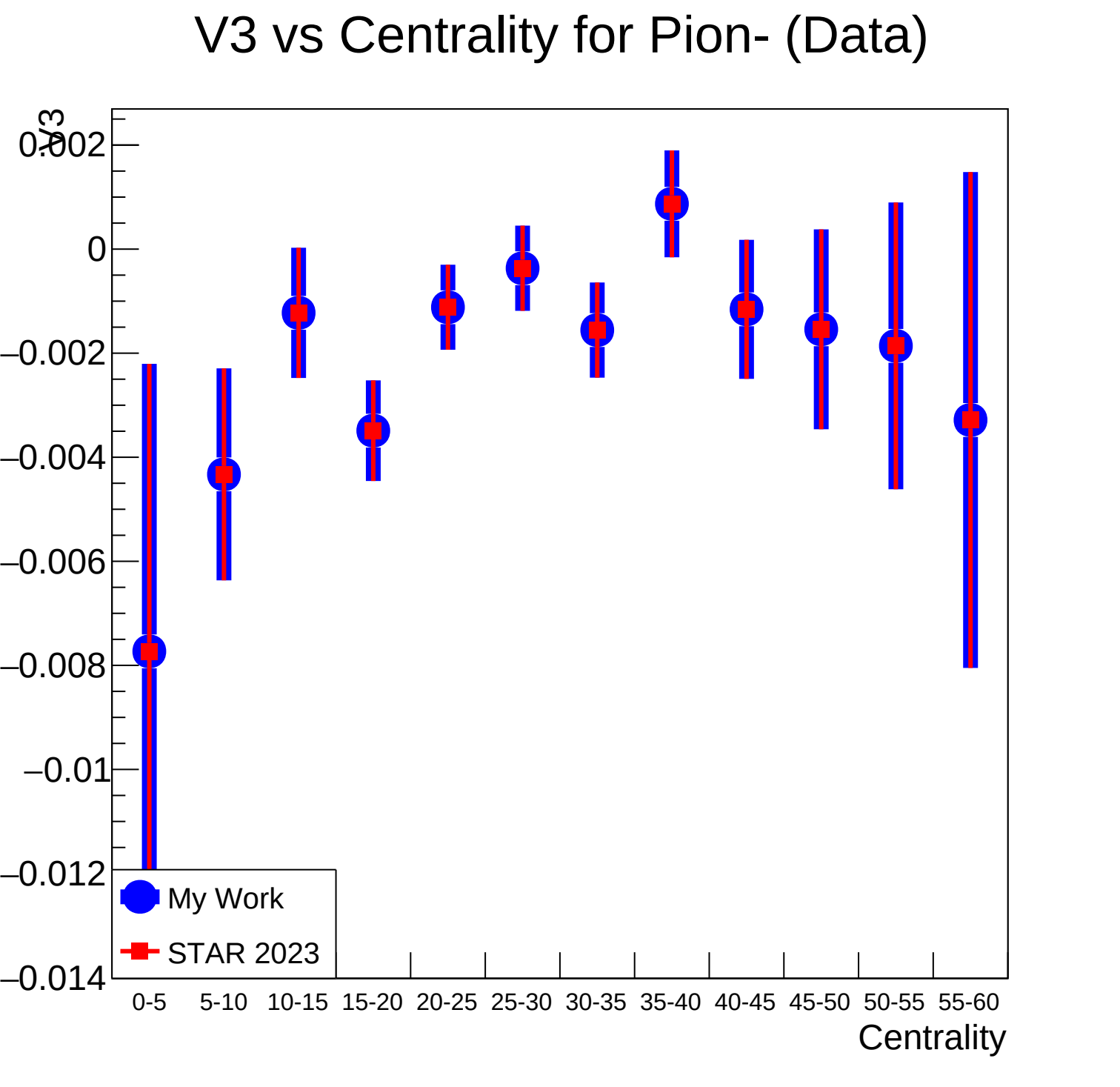

R_{31}
Resolution
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

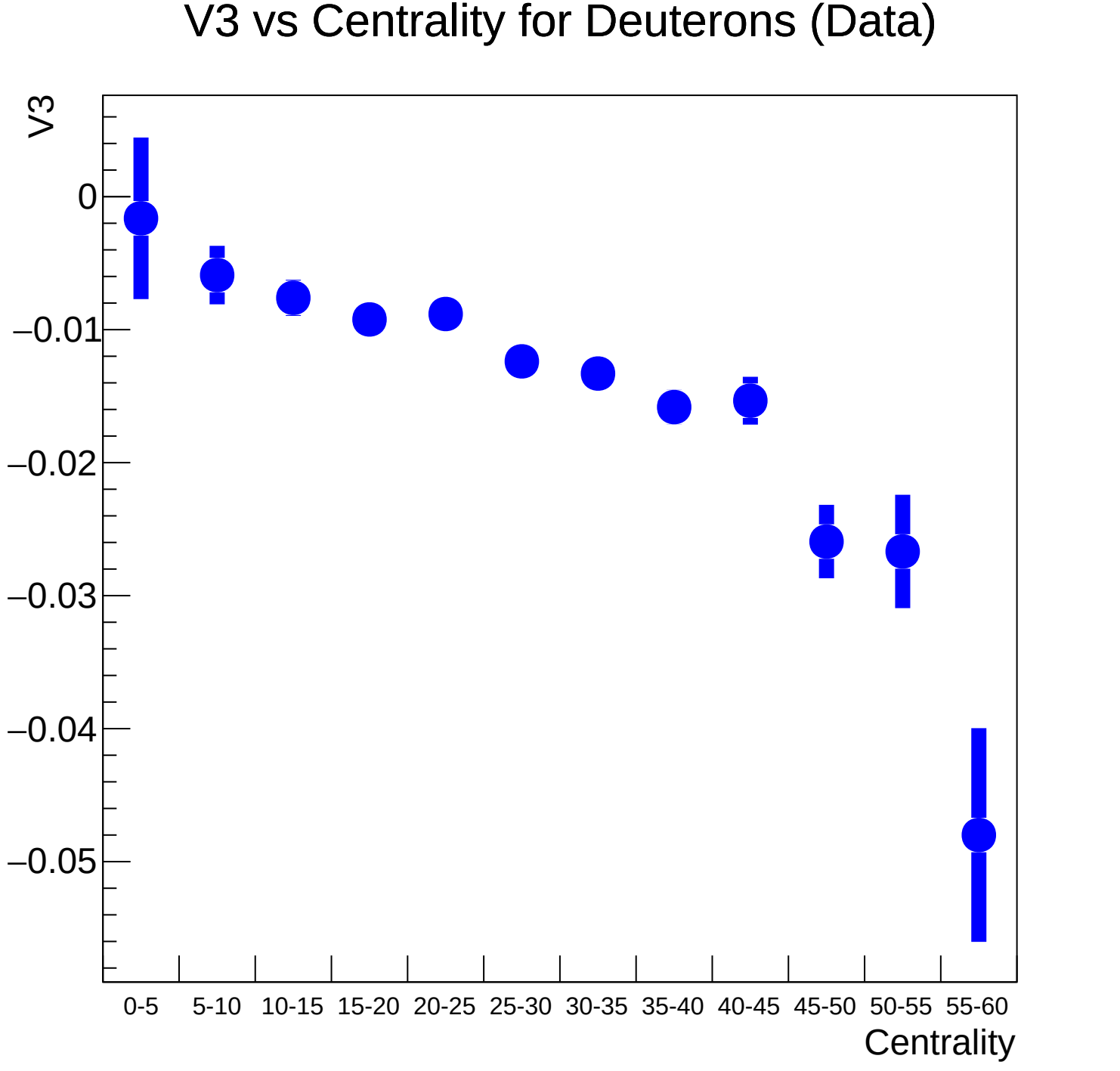

V3 vs Centrality for Protons (Data)
V3
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
−0.014
−0.016
−0.018
−0.02
−0.022
−0.024
My Work
STAR 2023
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

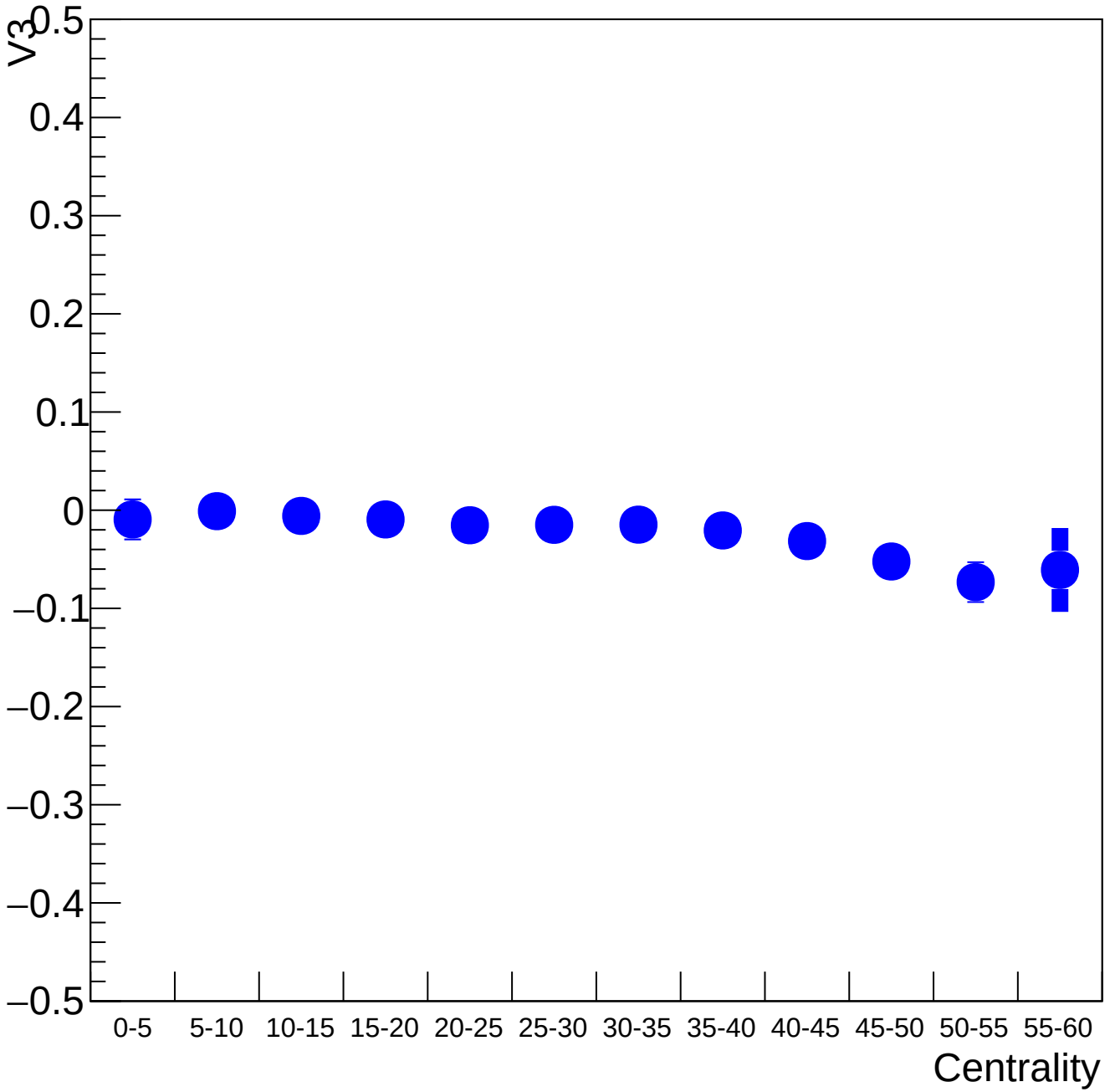

V3 vs Centrality for Kaon+ (Data)
V3
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
My Work
STAR 2023
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

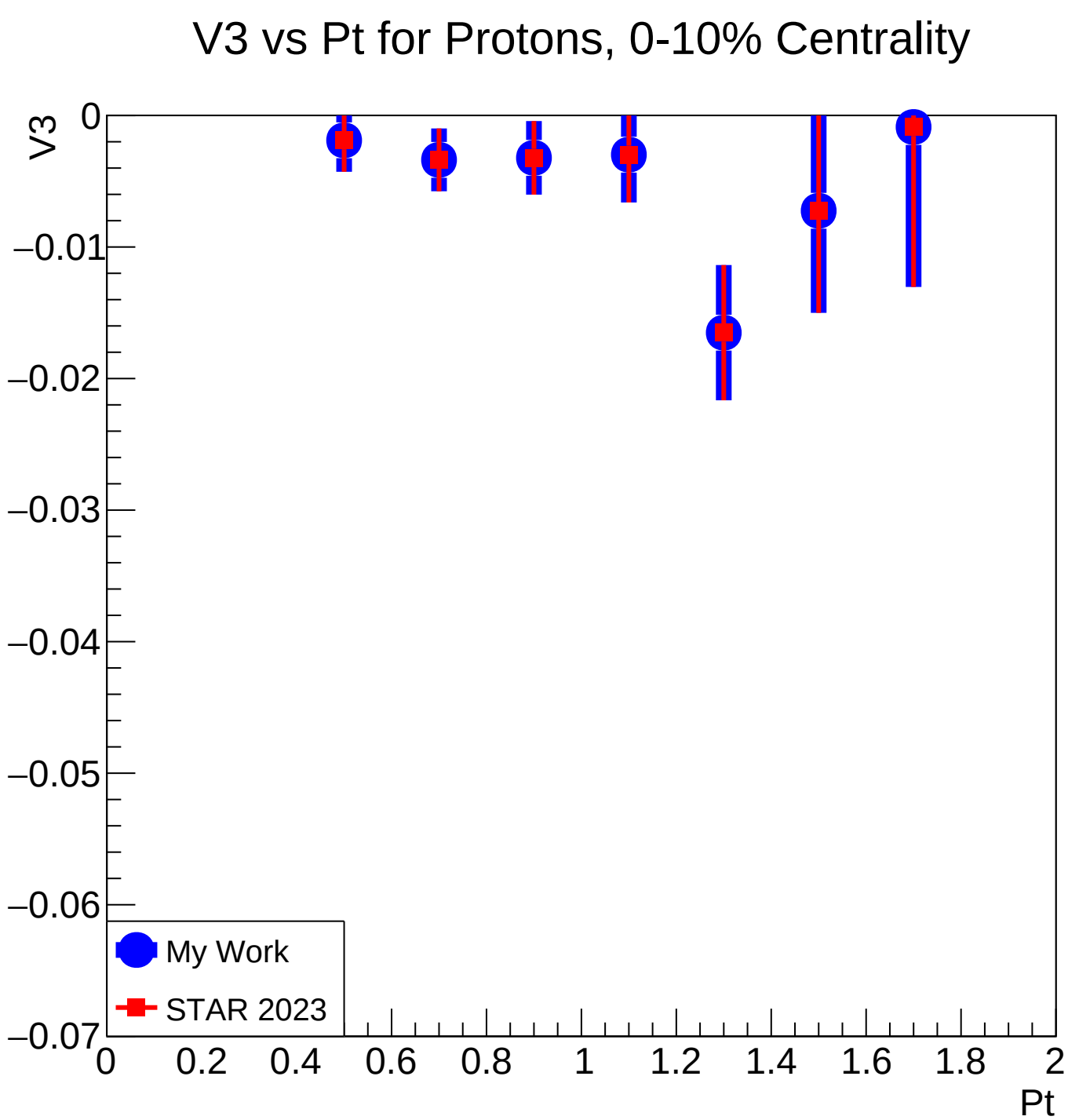

V3 vs Centrality for Kaon- (Data)
V3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
My Work
STAR 2023
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

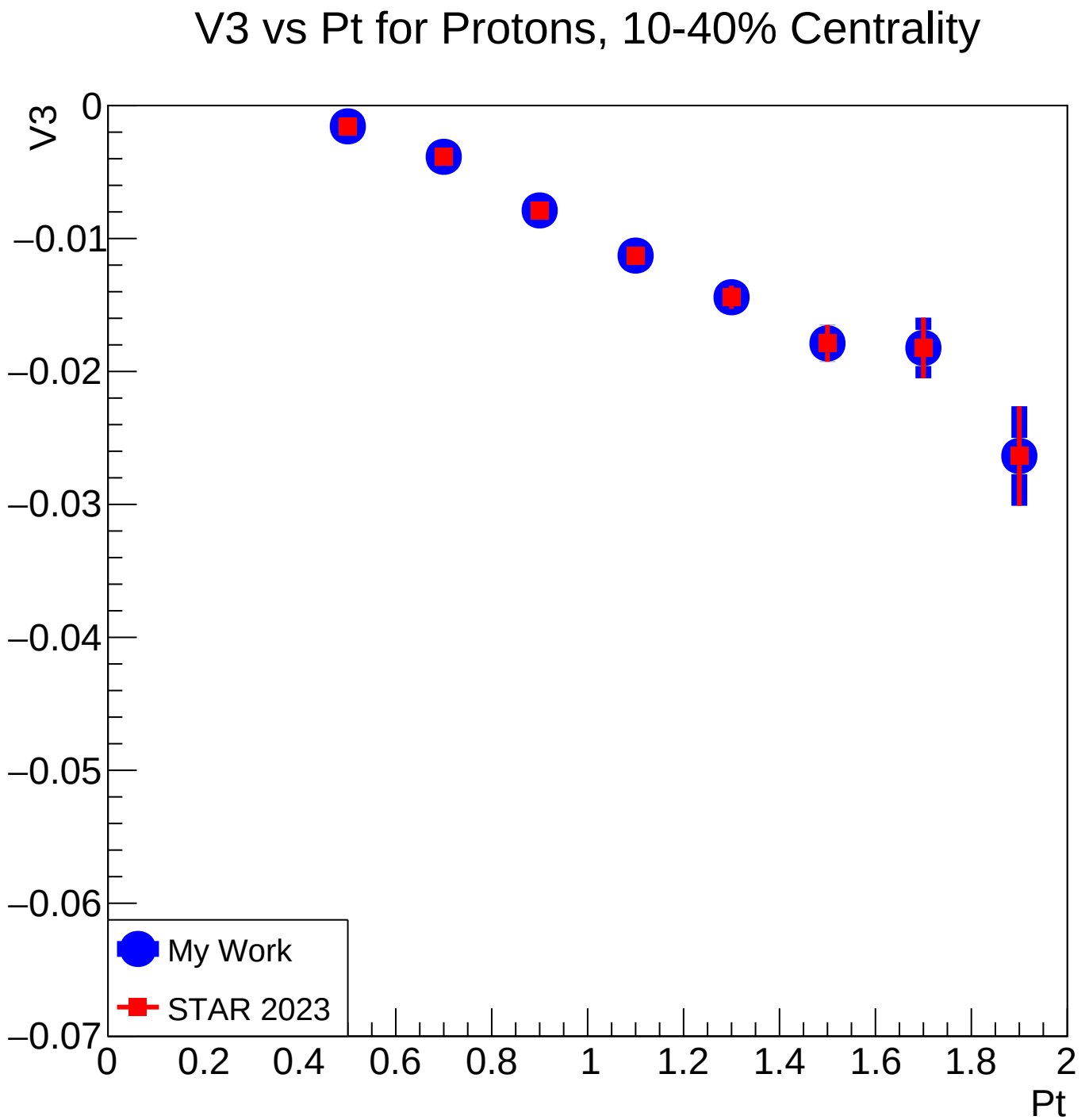

V3 vs Centrality for Pion+ (Data)
V3
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
My Work
STAR 2023
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

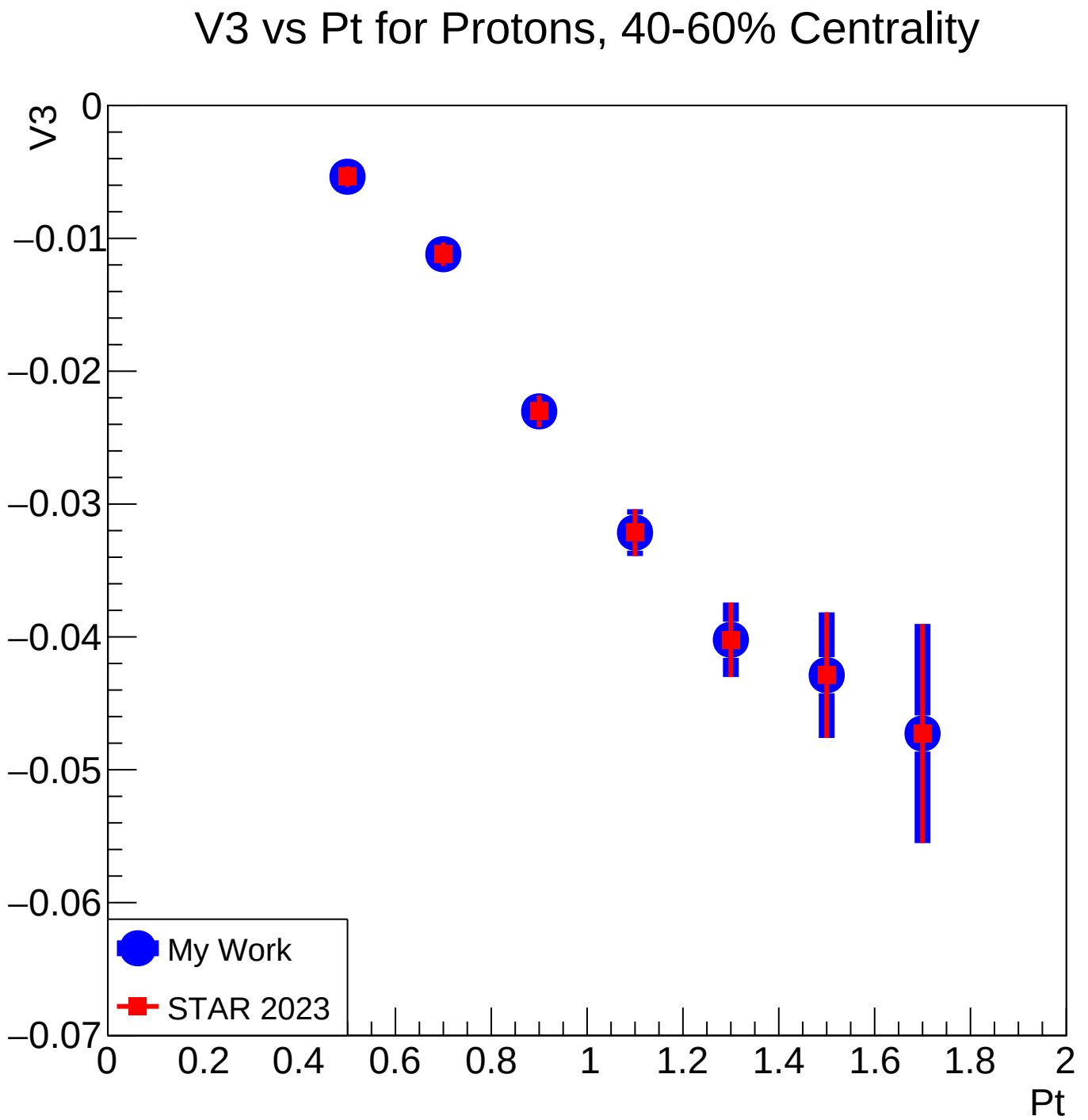

V3 vs Centrality for Pion- (Data)
<V3>
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
−0.012
−0.014
My Work
STAR 2023
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

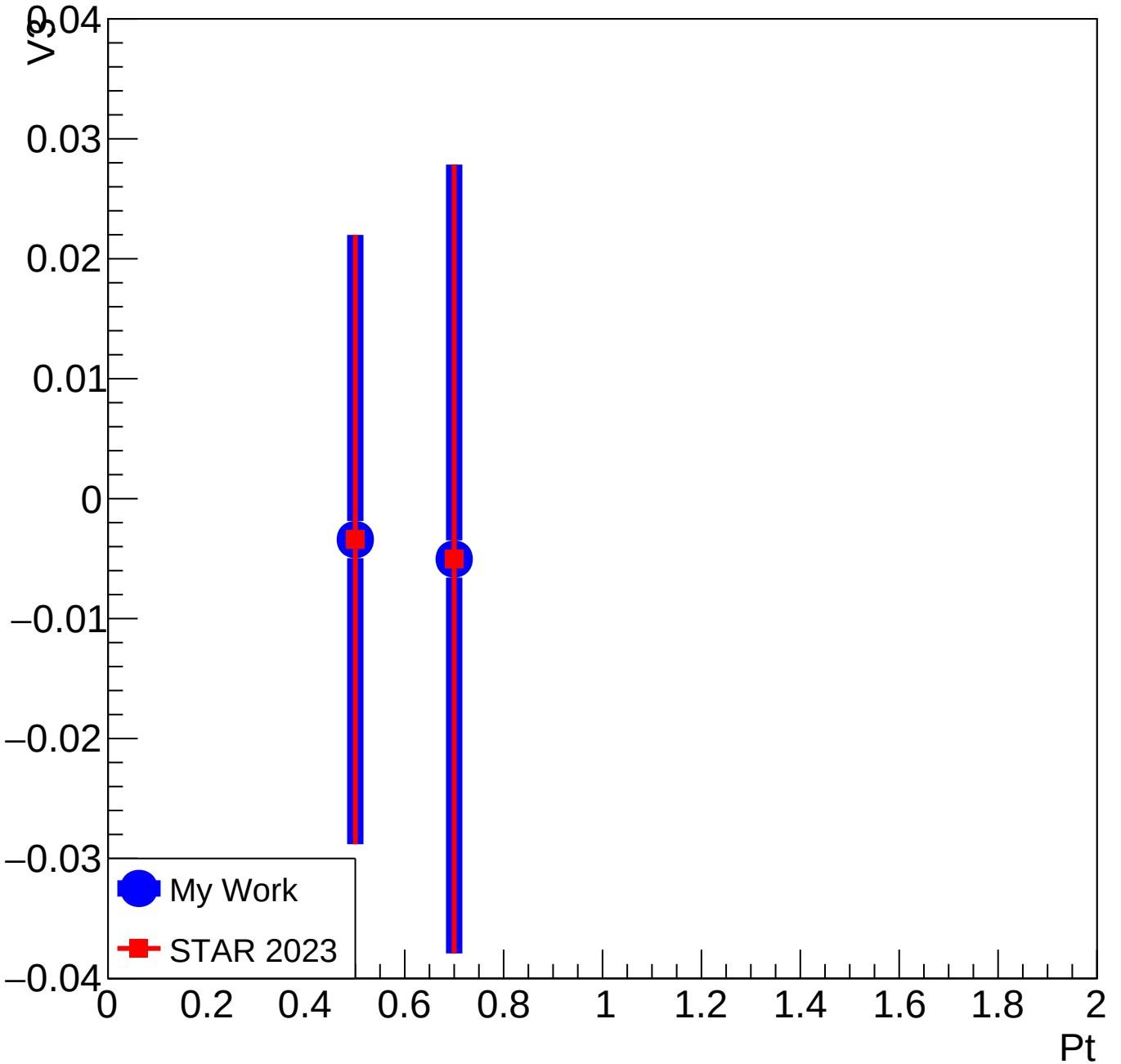

V3 vs Centrality for Deuterons (Data)
V3
0
–0.01
–0.02
–0.03
–0.04
–0.05
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

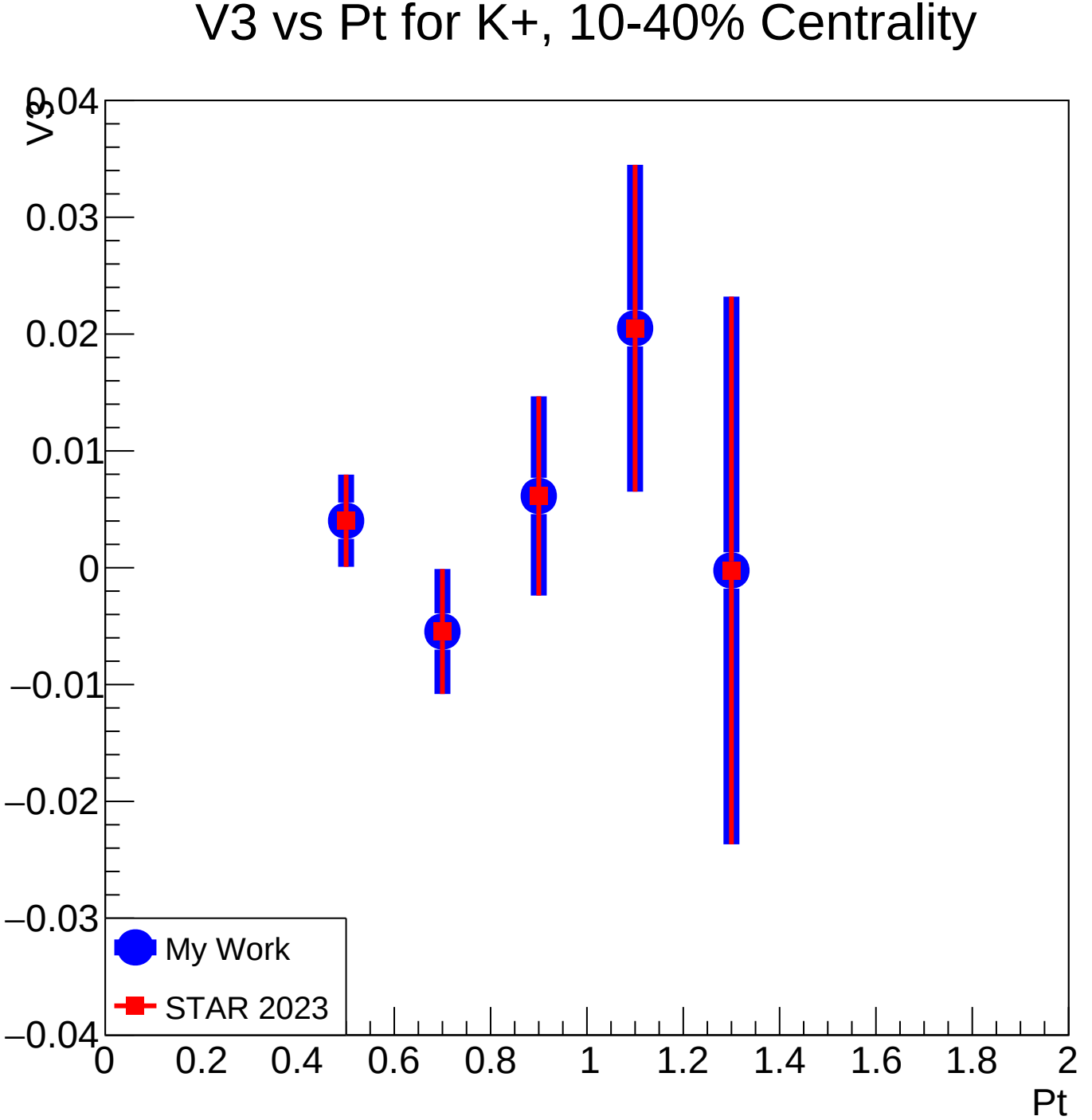

V3 vs Centrality for Tritons (Data)
V3
0.5
0.4
0.3
0.2
0.1
0
–0.1
–0.2
–0.3
–0.4
–0.5
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

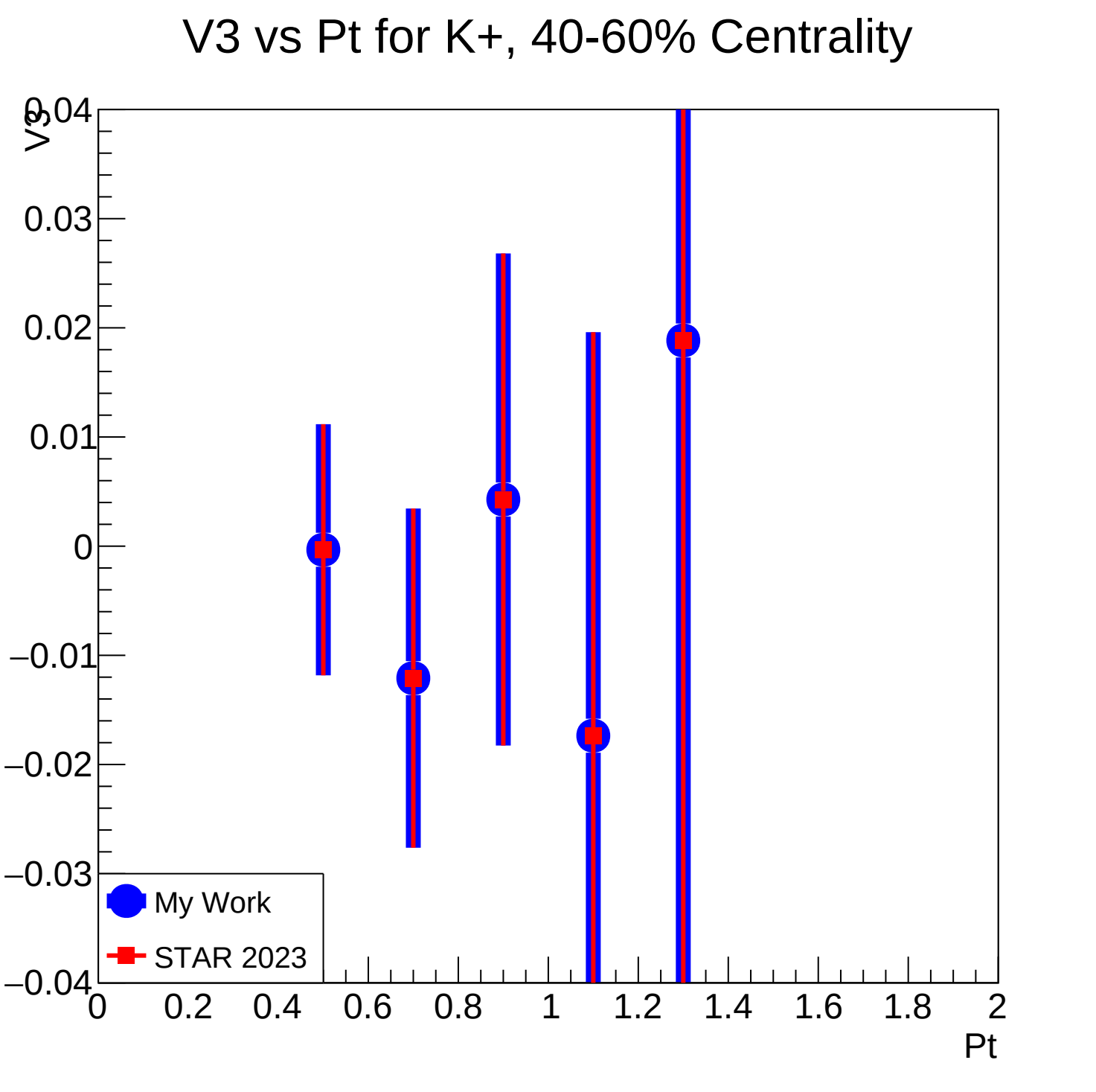

V3 vs Pt for Protons, 0-10% Centrality
V3
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
−0.07
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

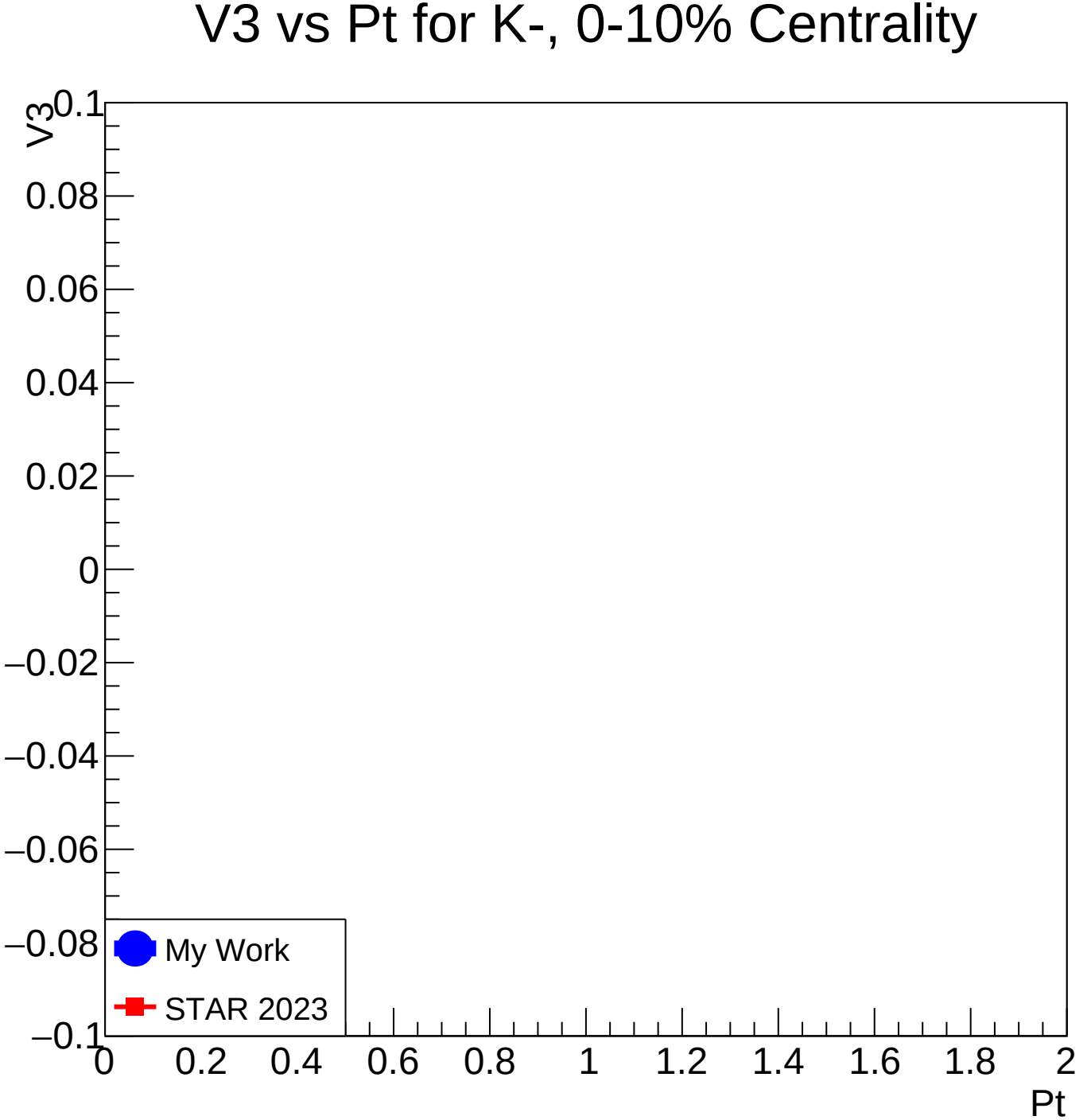

V3 vs Pt for Protons, 10-40% Centrality
V3
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
−0.07
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

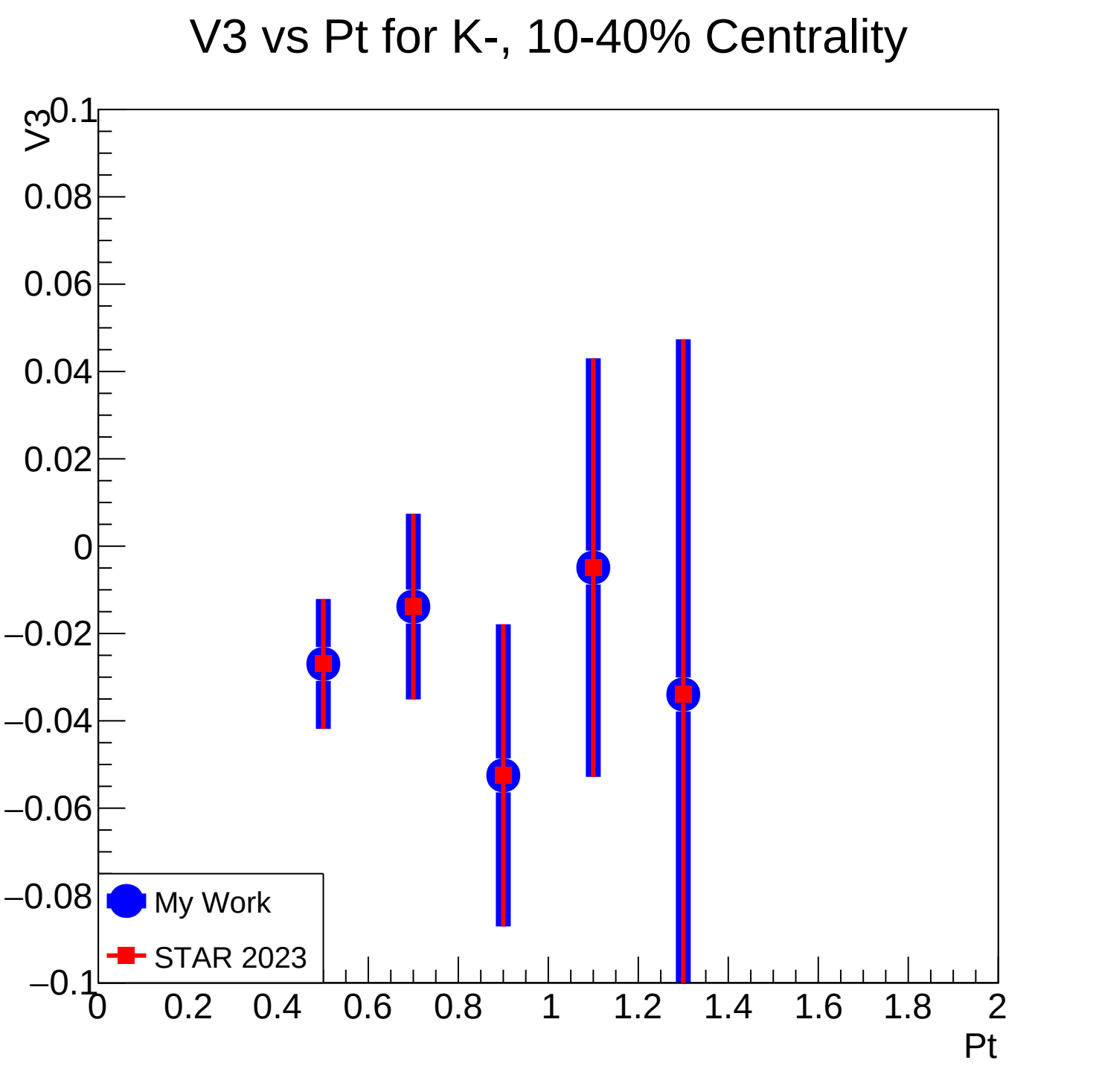

V3 vs Pt for Protons, 40-60% Centrality
V3
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
−0.07
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

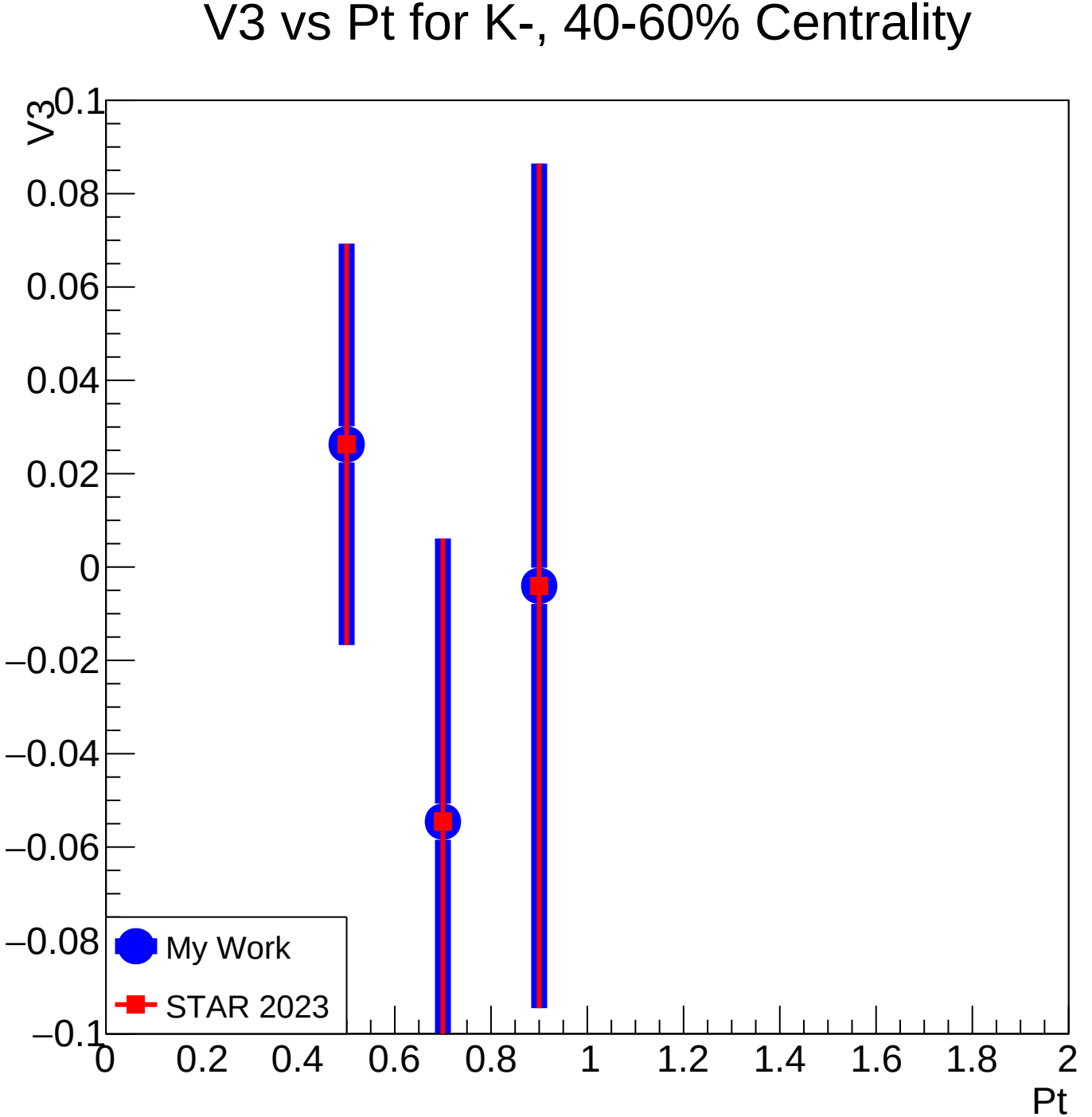

V3 vs Pt for K+, 0-10% Centrality
V3
0.04
0.03
0.02
0.01
0
–0.01
–0.02
–0.03
–0.04
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

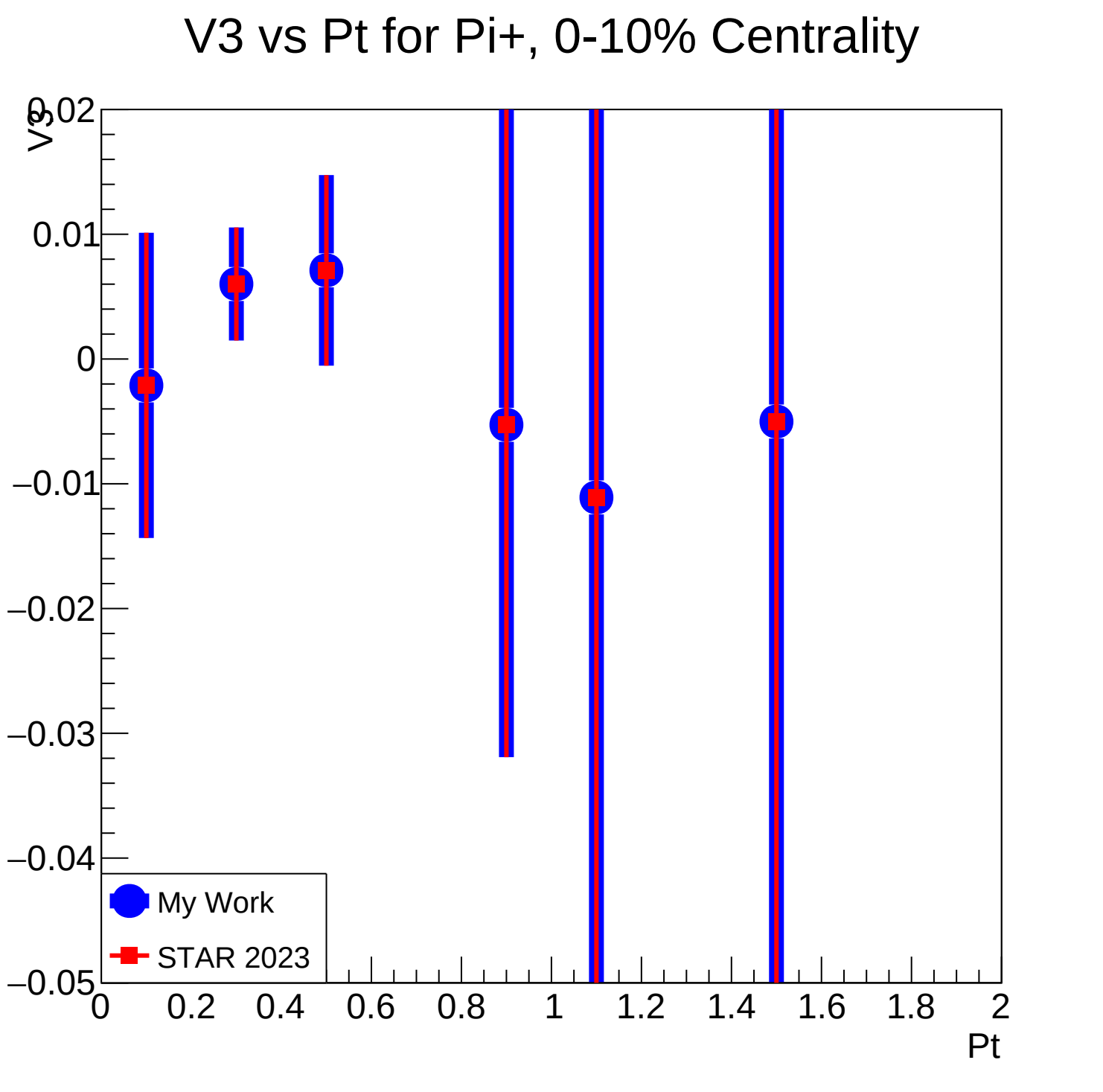

V3 vs Pt for K+, 10-40% Centrality
V3
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

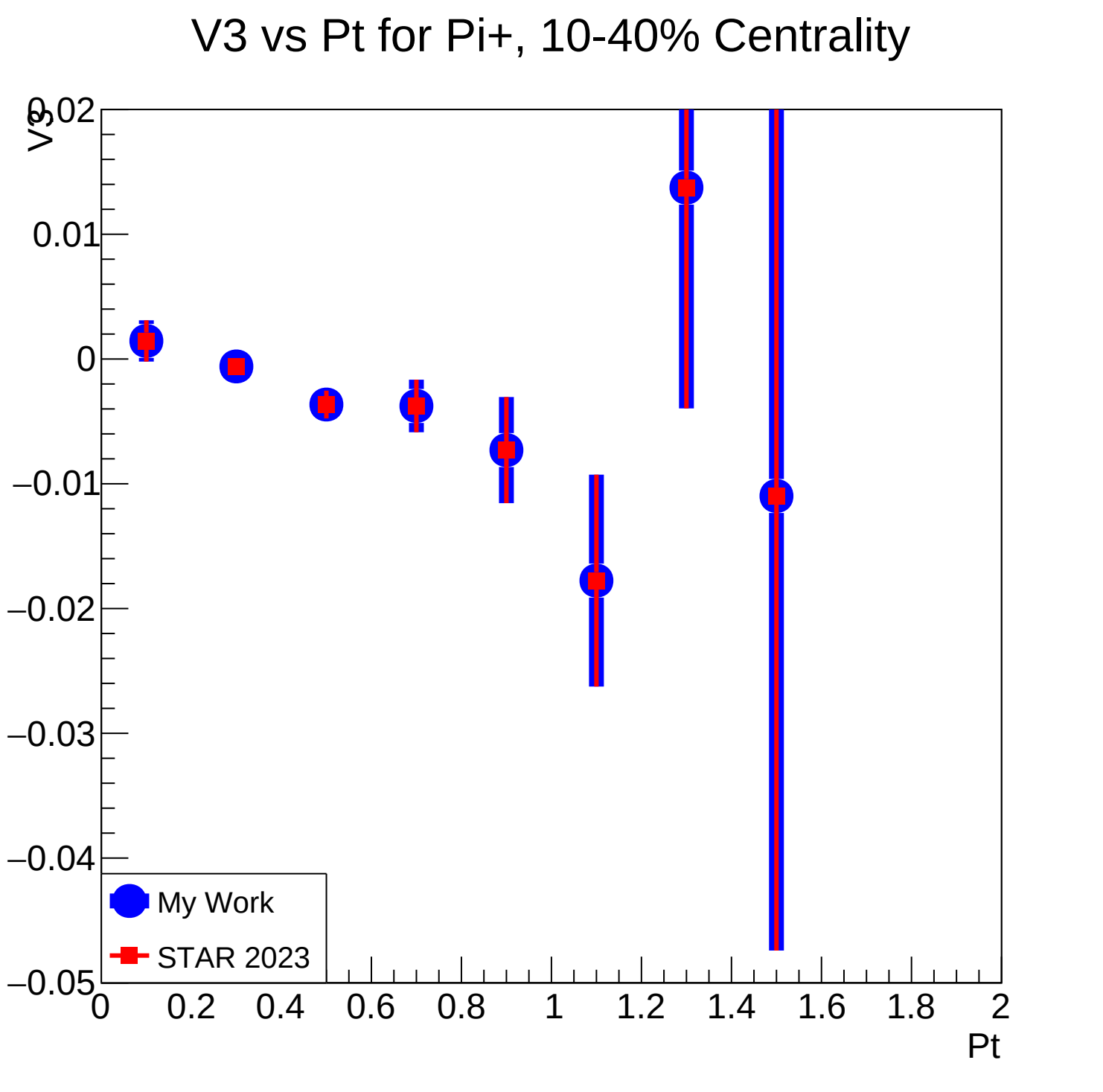

V3 vs Pt for K+, 40-60% Centrality
V3
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

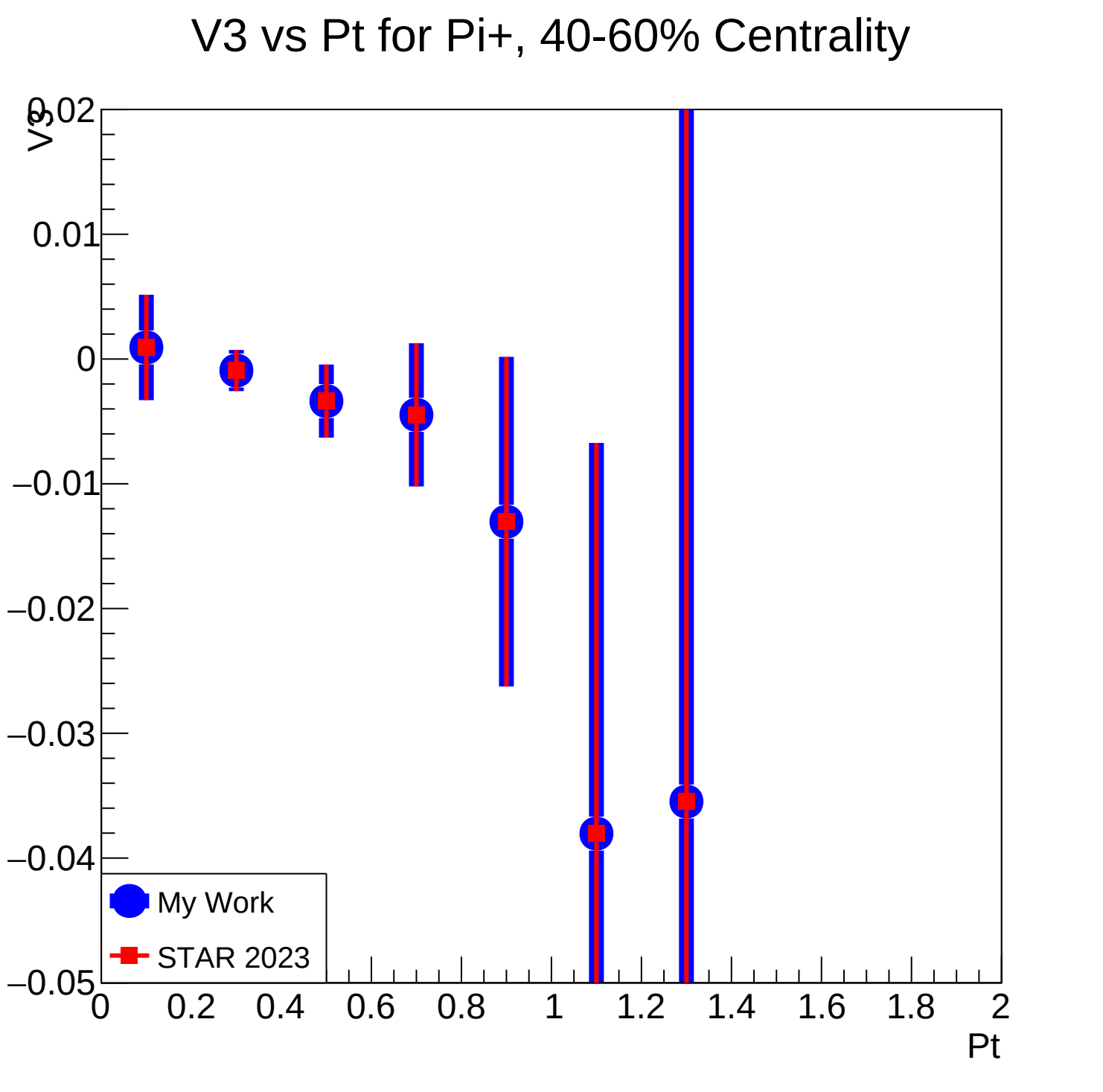

V3 vs Pt for K-, 0-10% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

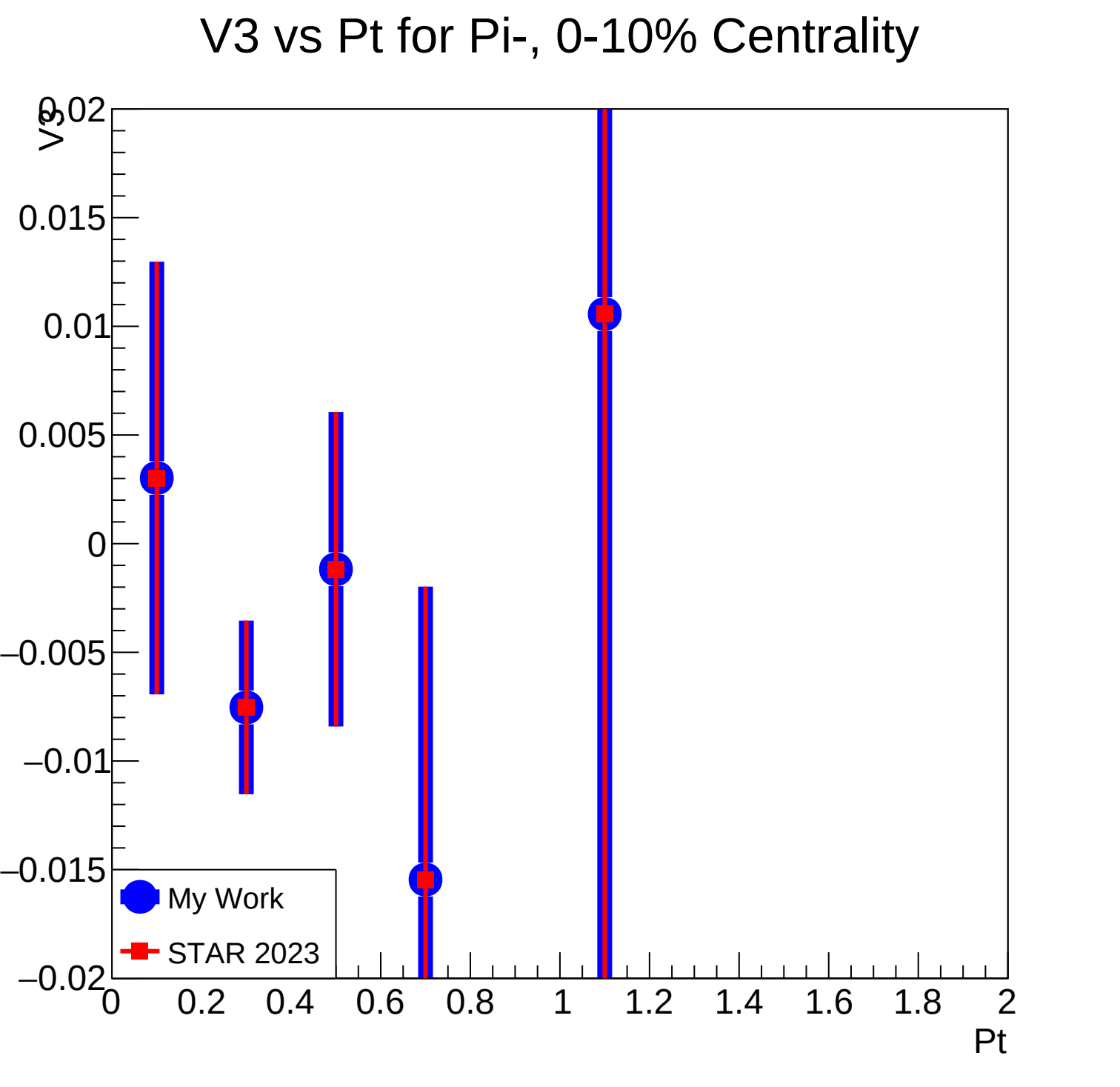

V3 vs Pt for K-, 10-40% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

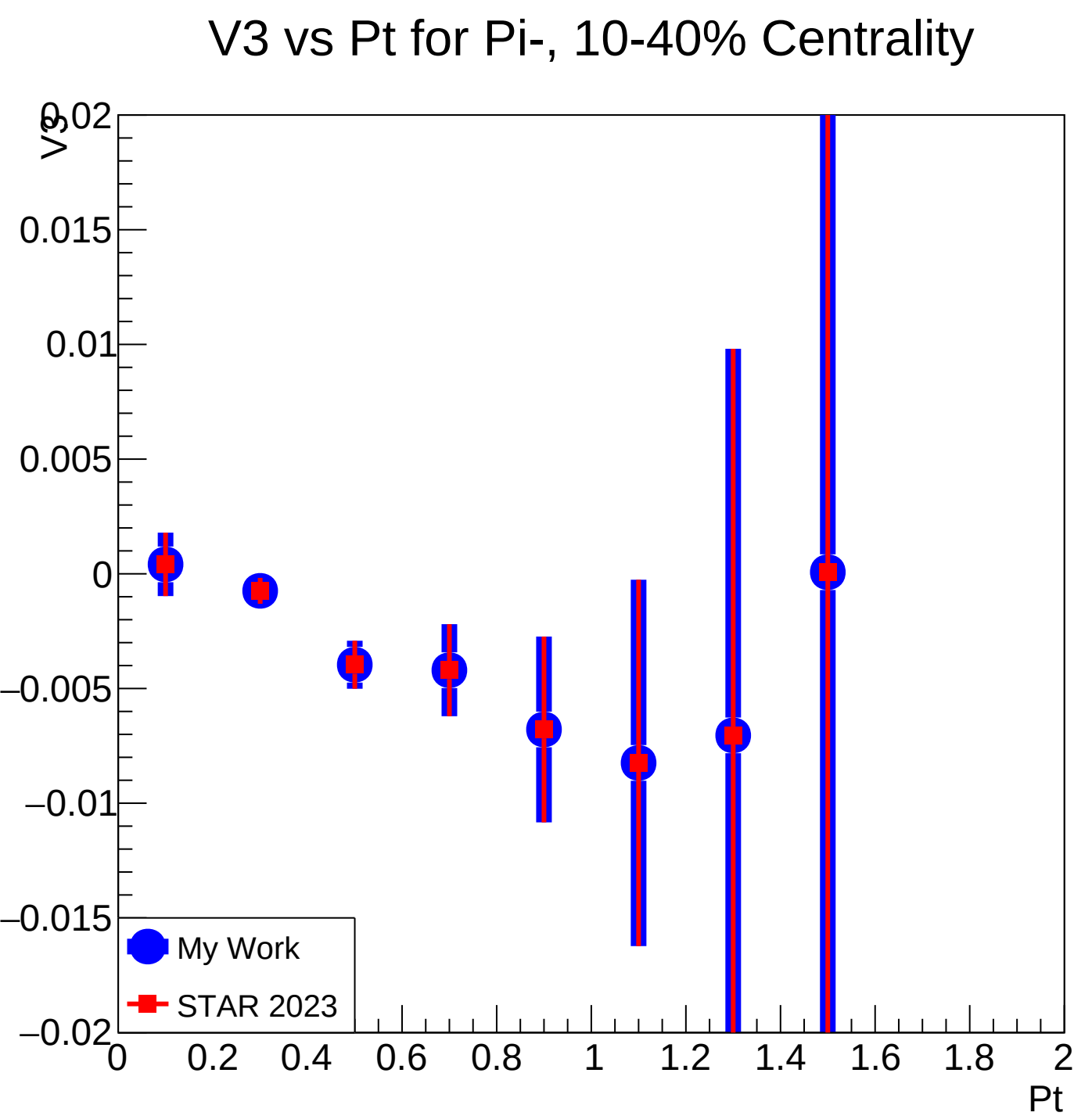

V3 vs Pt for K-, 40-60% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

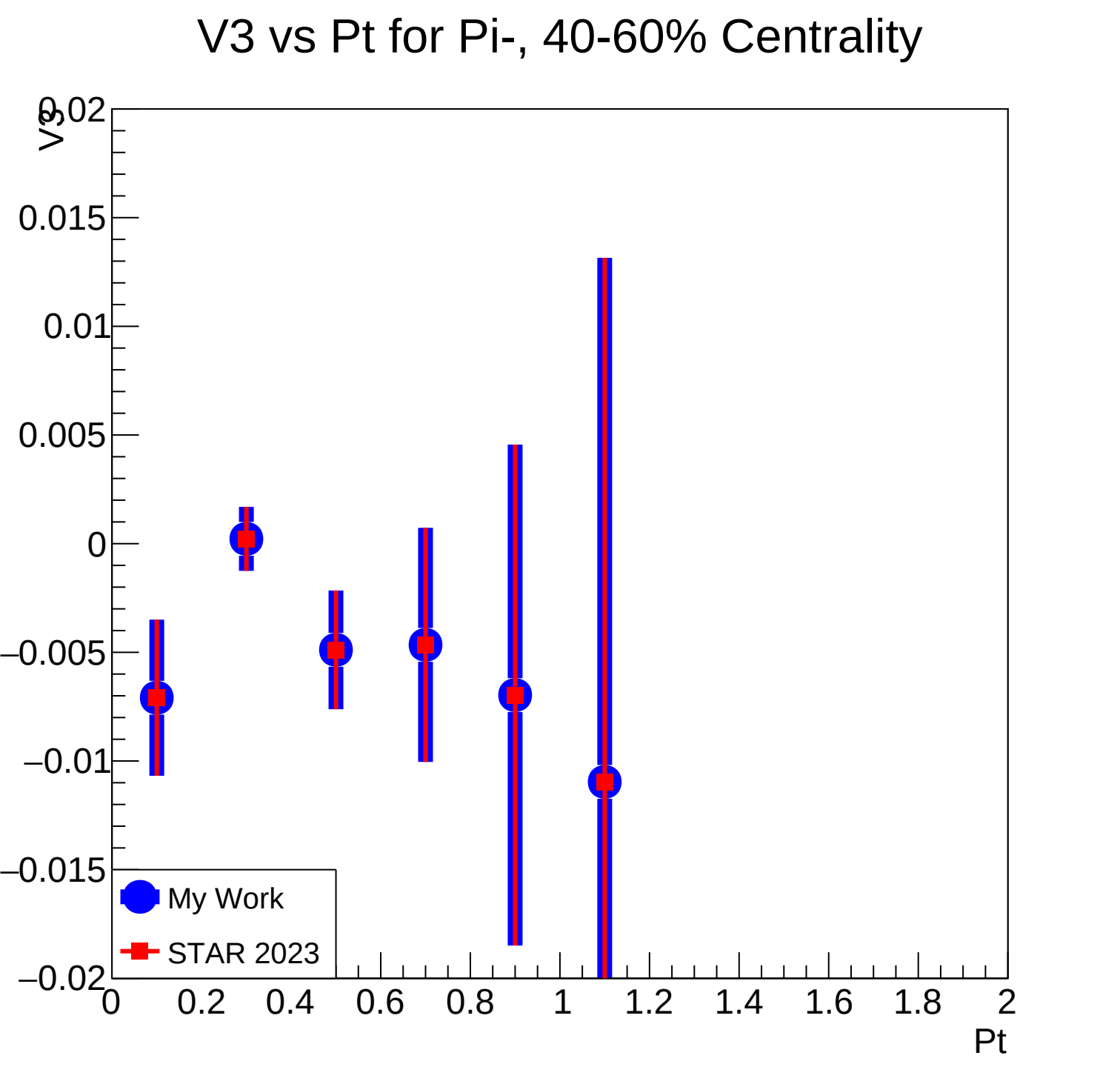

V3 vs Pt for Pi+, 0-10% Centrality
V3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

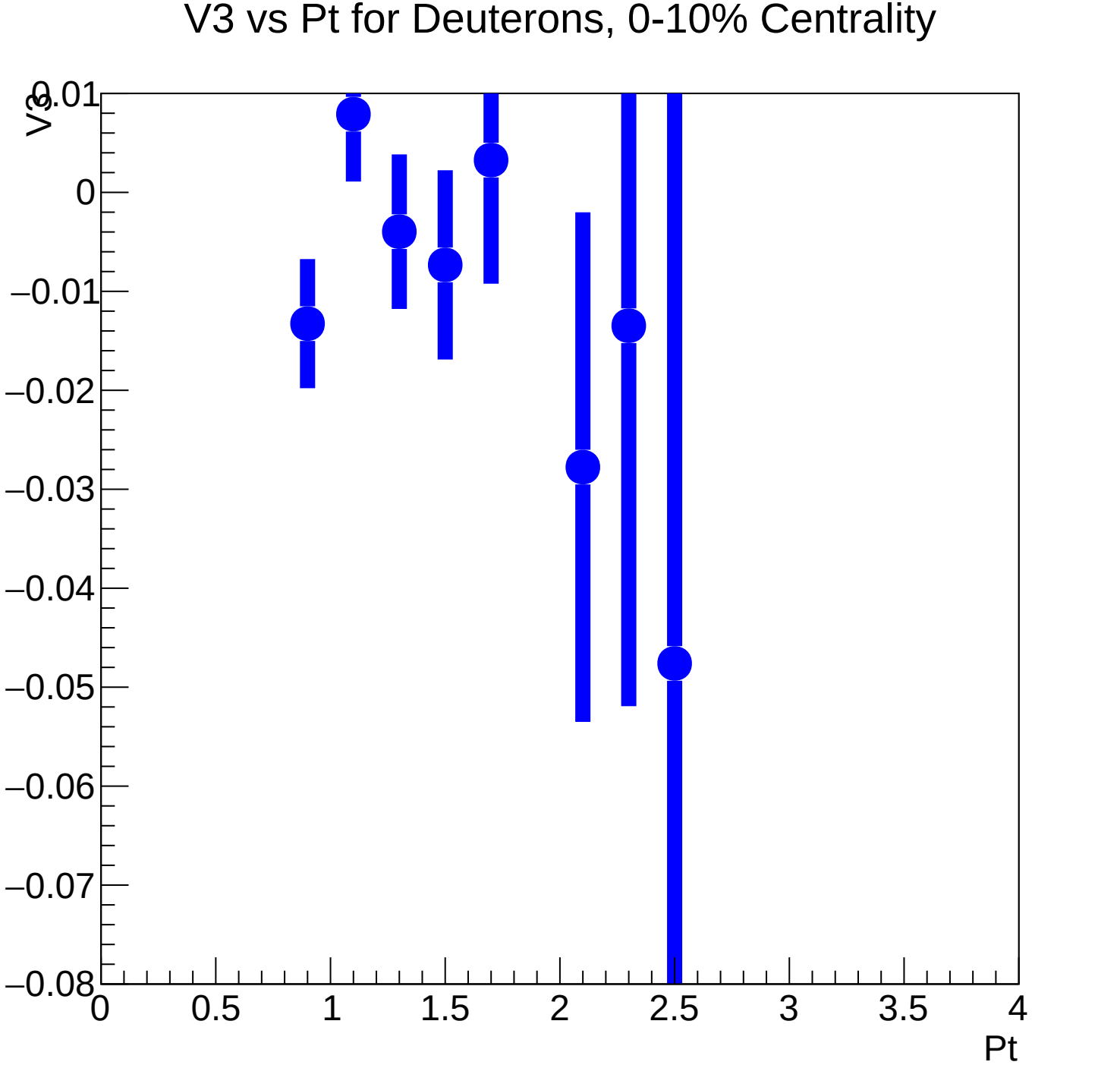

V3 vs Pt for Pi+, 10-40% Centrality
V3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

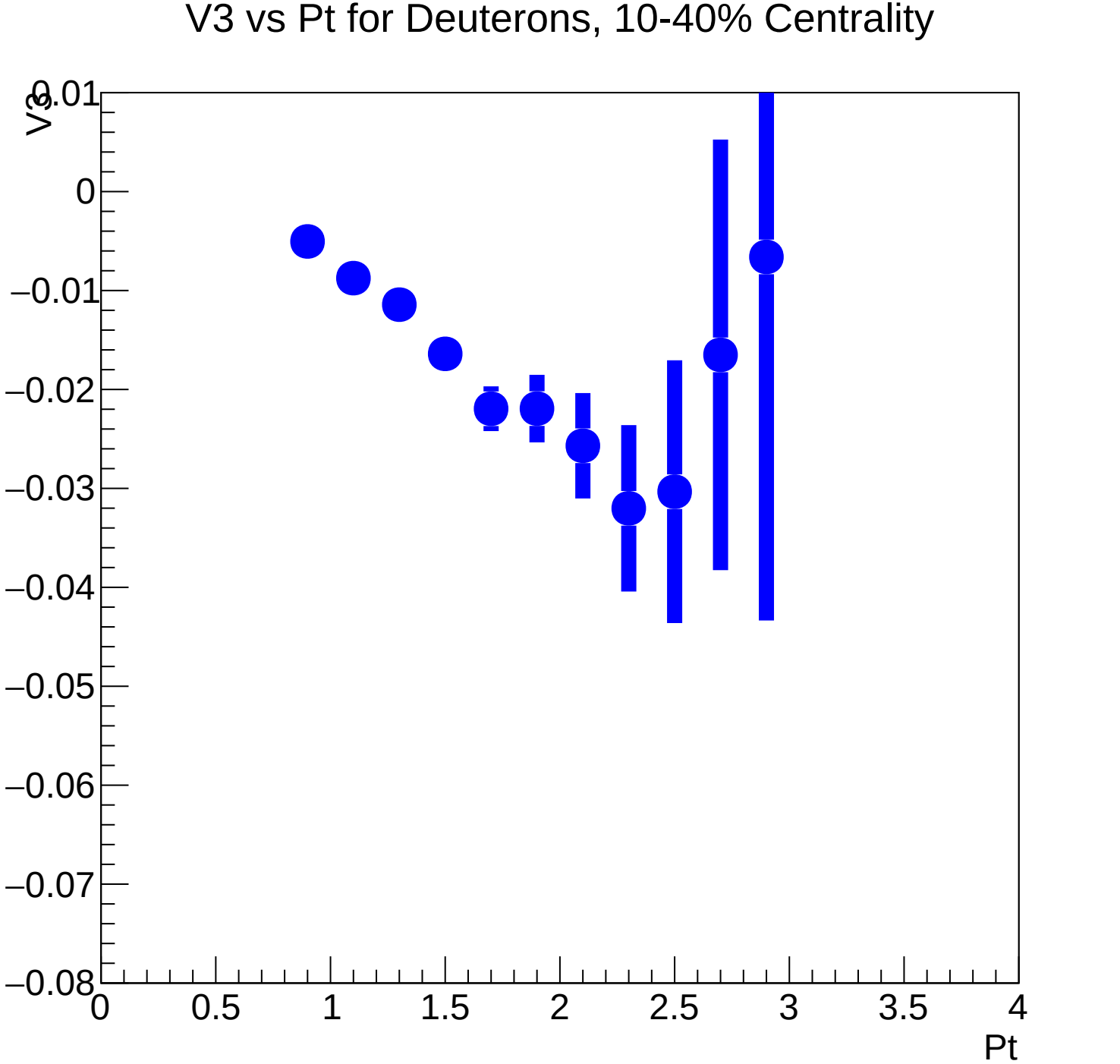

V3 vs Pt for Pi+, 40-60% Centrality
V3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

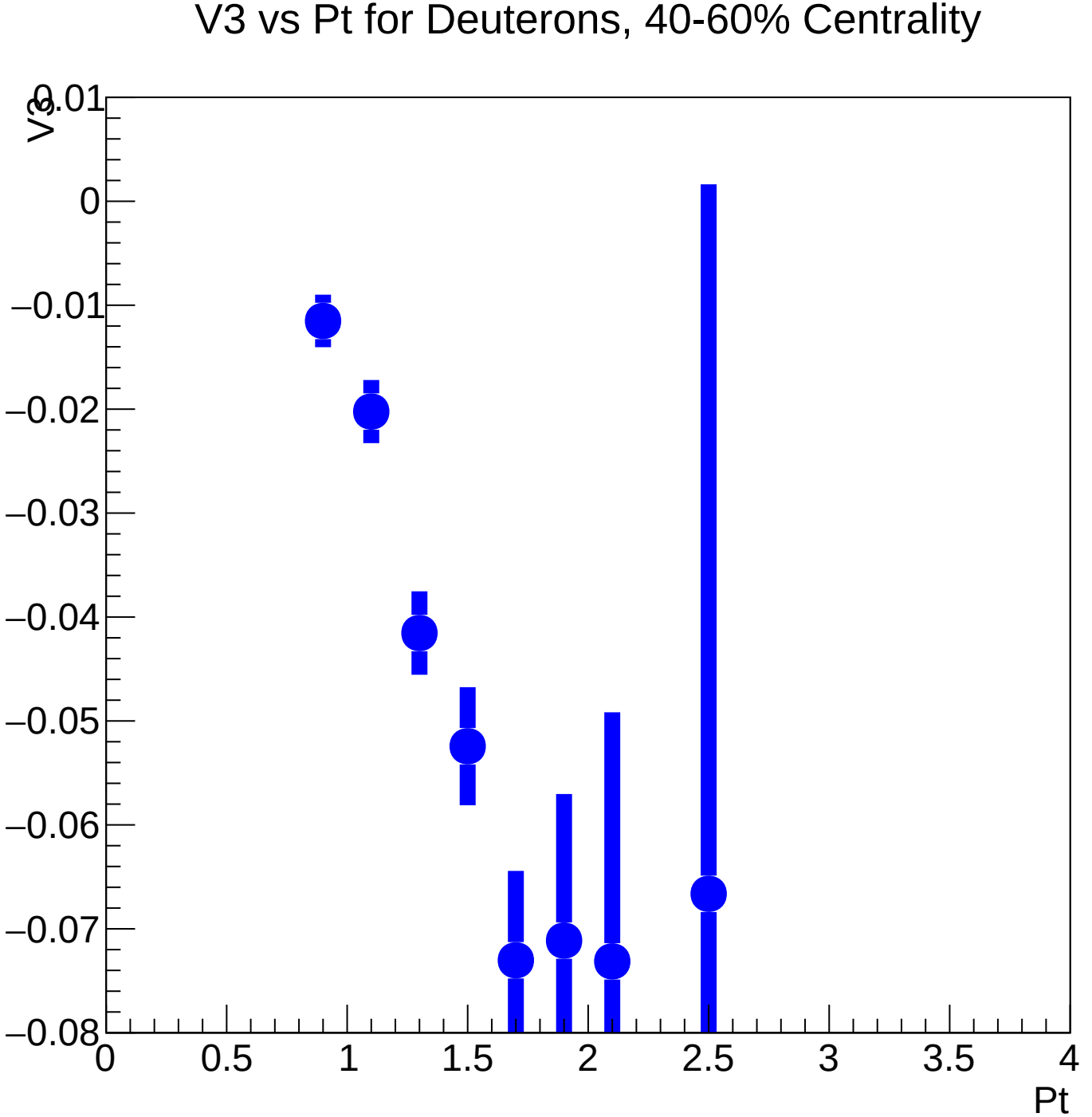

V3 vs Pt for Pi-, 0-10% Centrality
V3
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

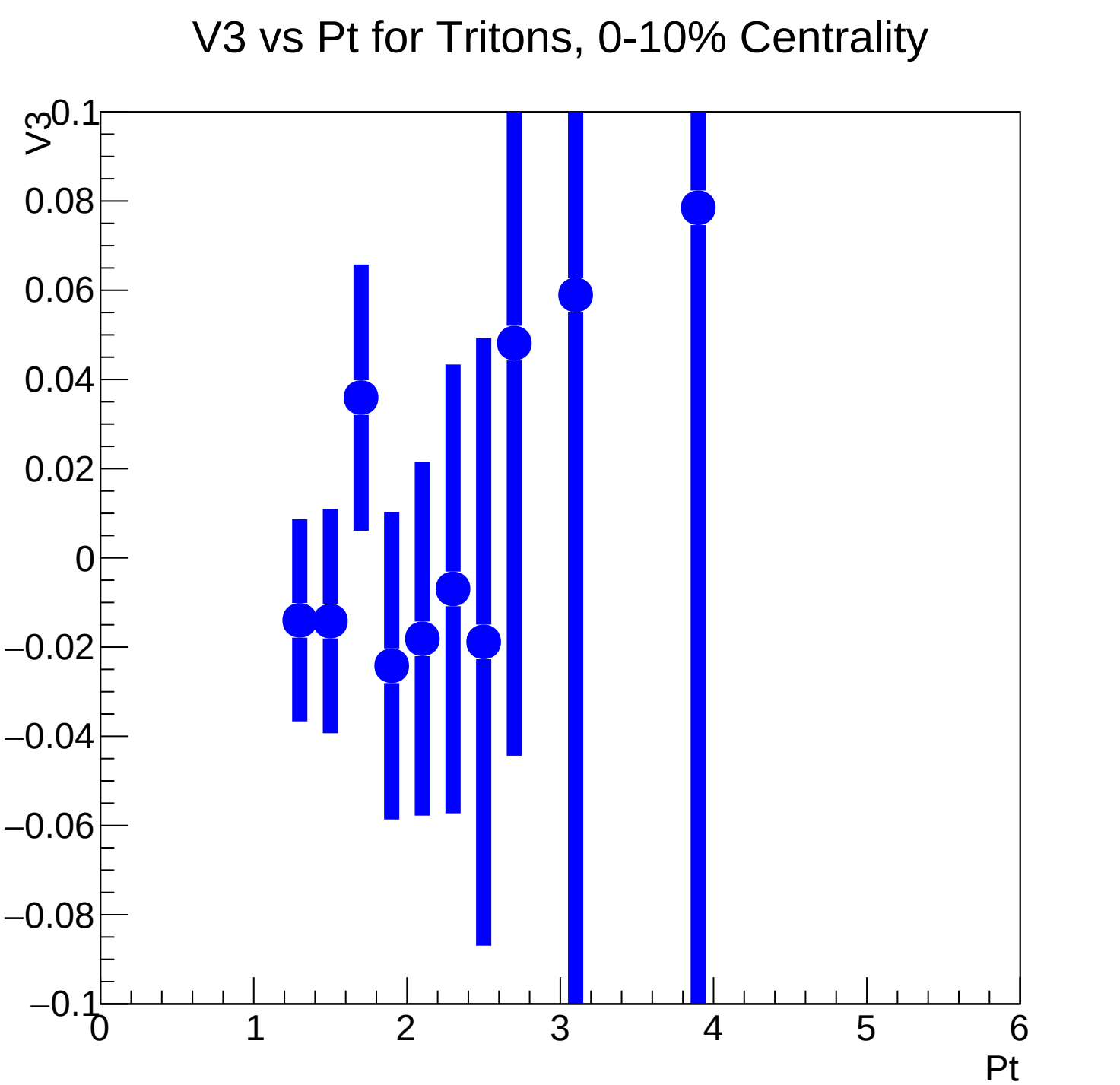

V3 vs Pt for Pi-, 10-40% Centrality
V3
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

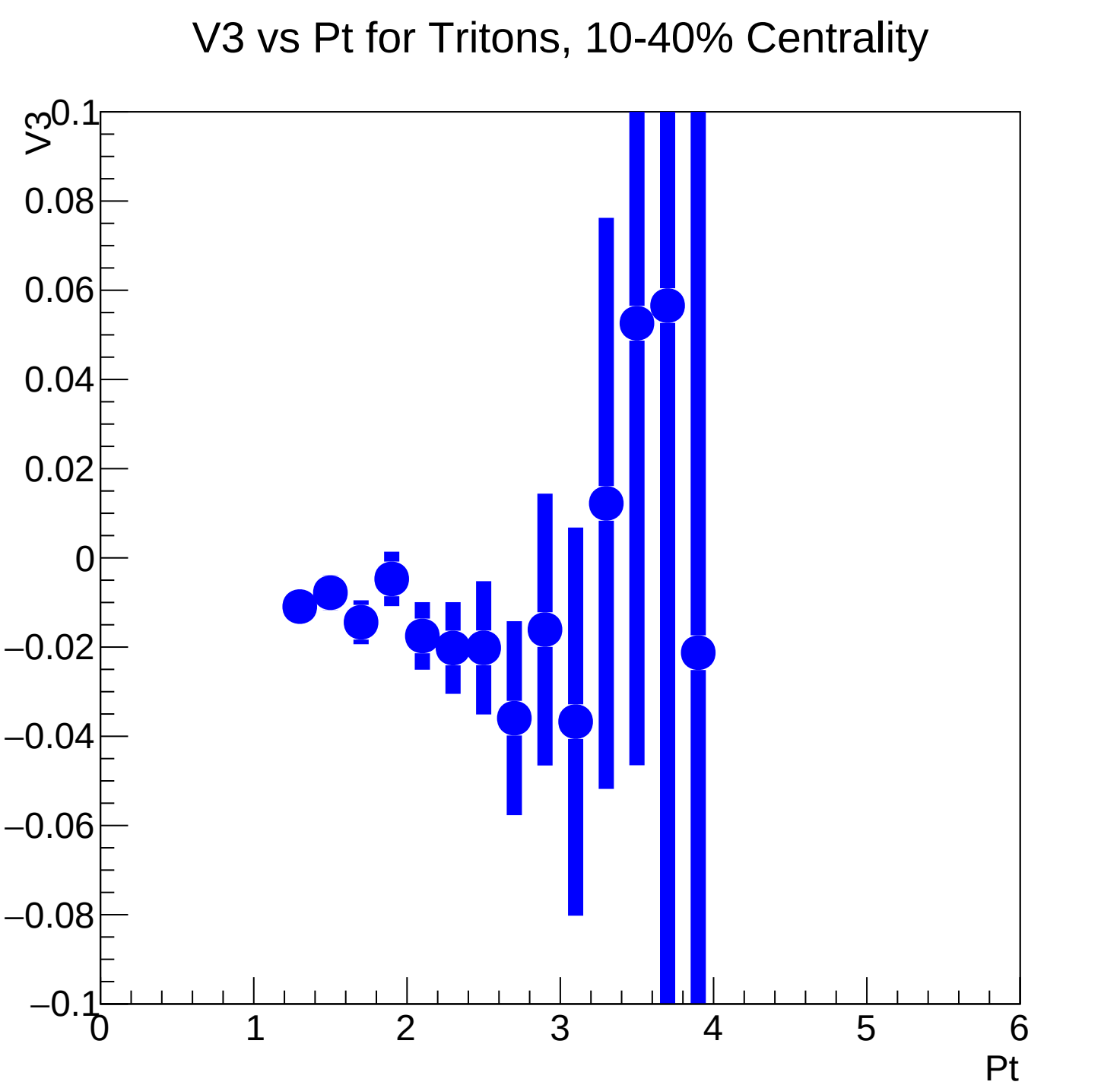

V3 vs Pt for Pi-, 40-60% Centrality
V3
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
My Work
STAR 2023

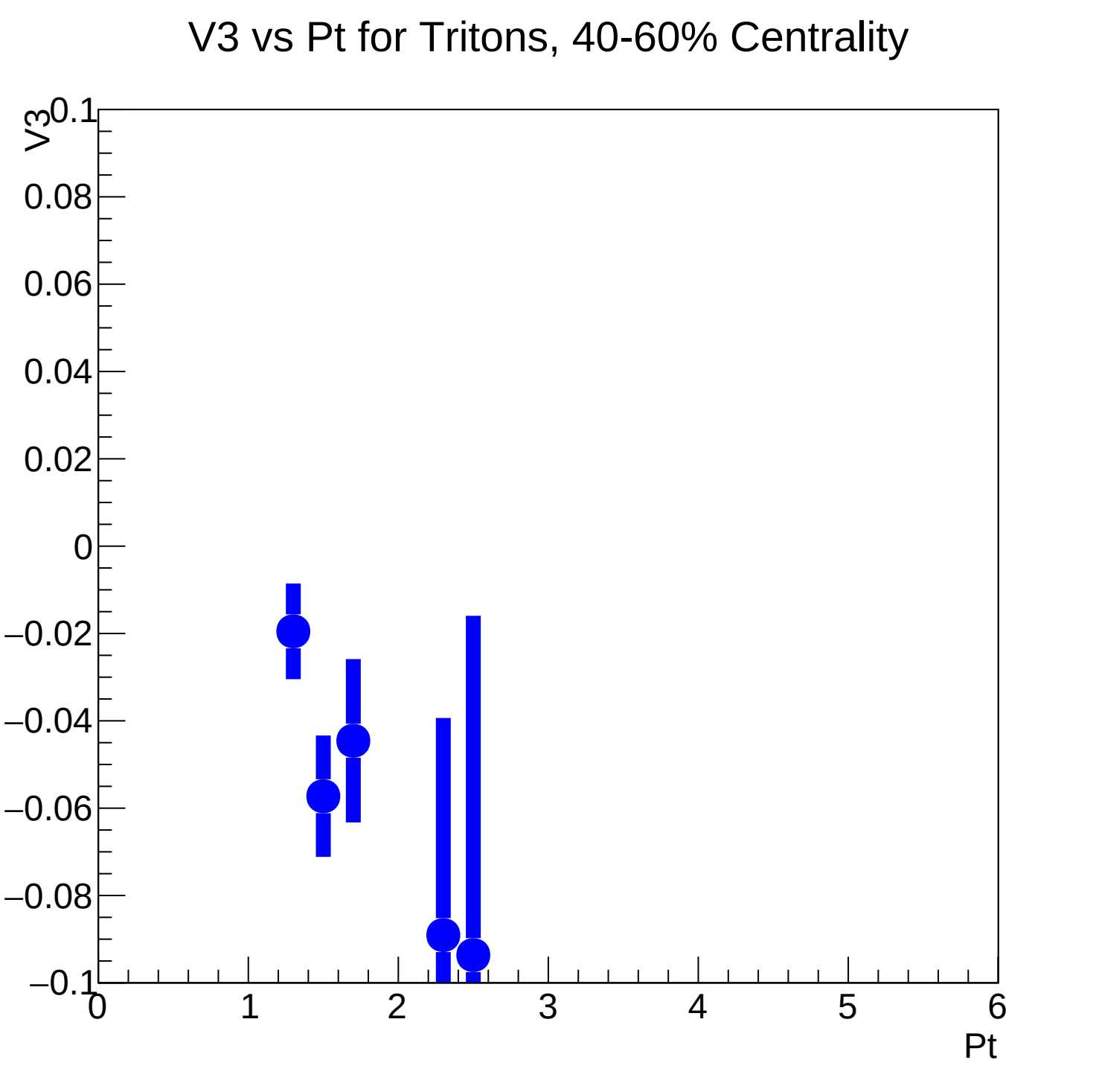

V3 vs Pt for Deuterons, 0-10% Centrality
V3
0.01
0
–0.01
–0.02
–0.03
–0.04
–0.05
–0.06
–0.07
–0.08
0
0.5
1
1.5
2
2.5
3
3.5
4
Pt

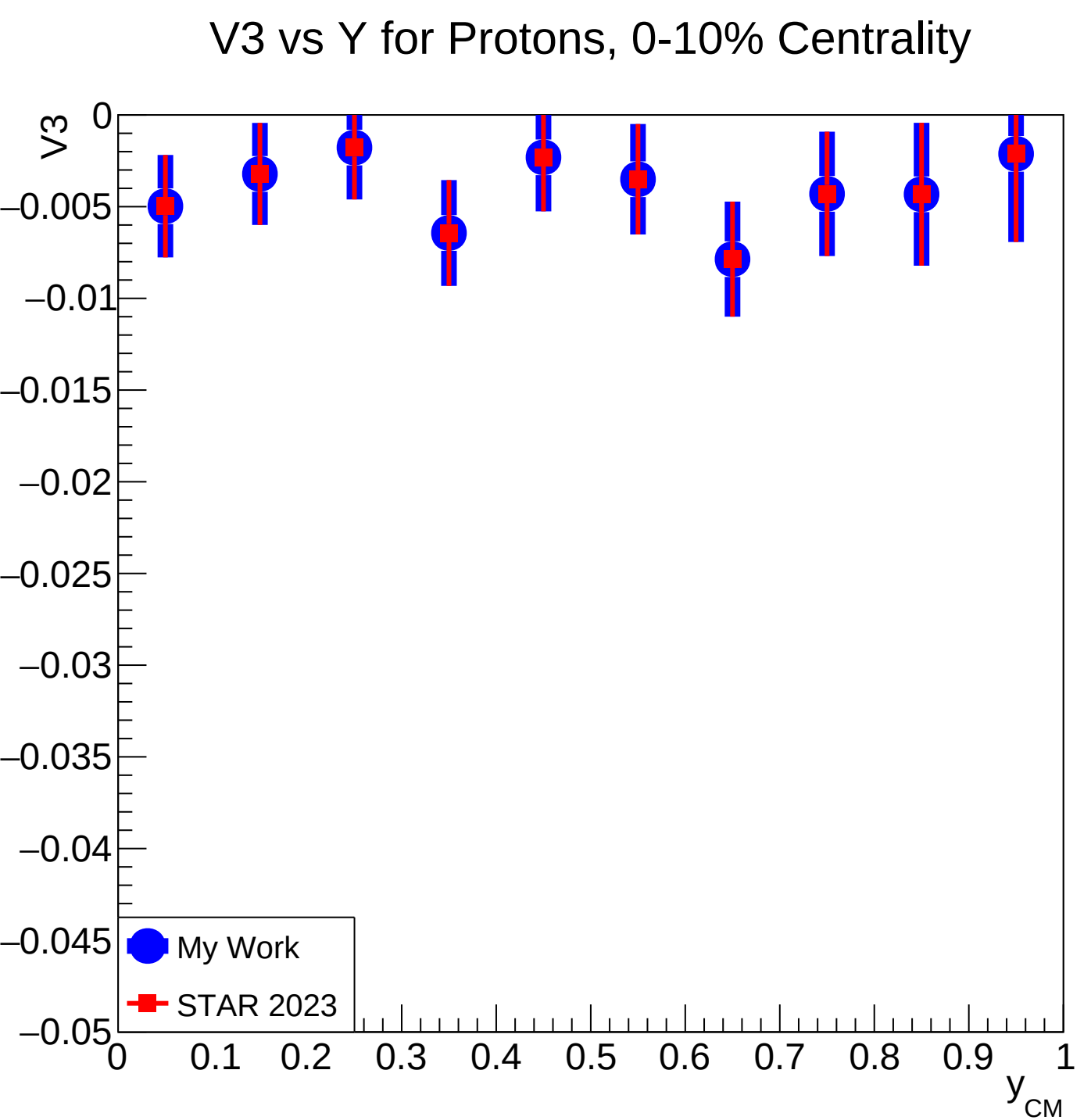

V3 vs Pt for Deuterons, 10-40% Centrality
V3
0.01
0
–0.01
–0.02
–0.03
–0.04
–0.05
–0.06
–0.07
–0.08
0
0.5
1
1.5
2
2.5
3
3.5
4
Pt

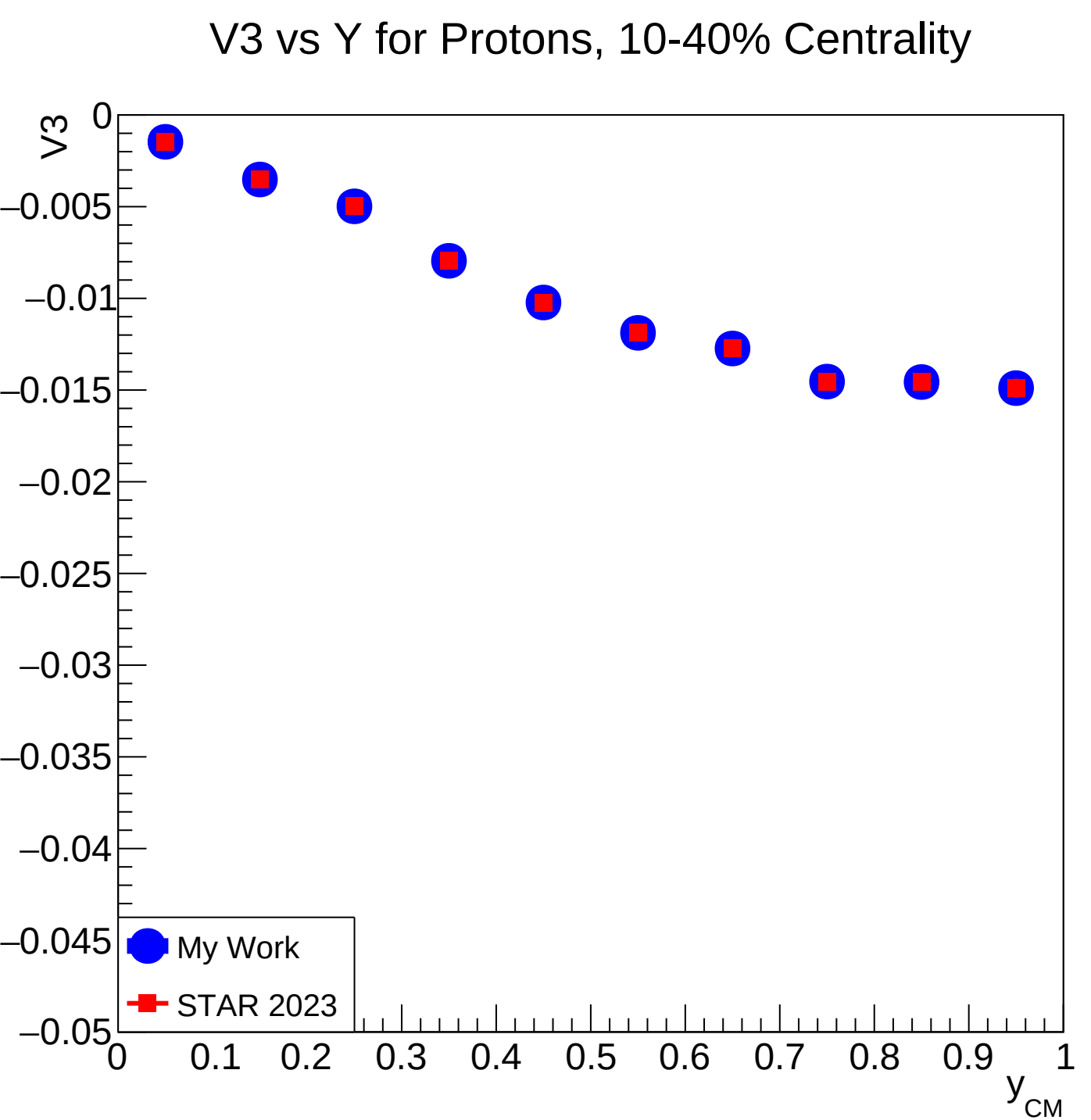

V3 vs Pt for Deuterons, 40-60% Centrality
V3
0.01
0
–0.01
–0.02
–0.03
–0.04
–0.05
–0.06
–0.07
–0.08
0
0.5
1
1.5
2
2.5
3
3.5
4
Pt

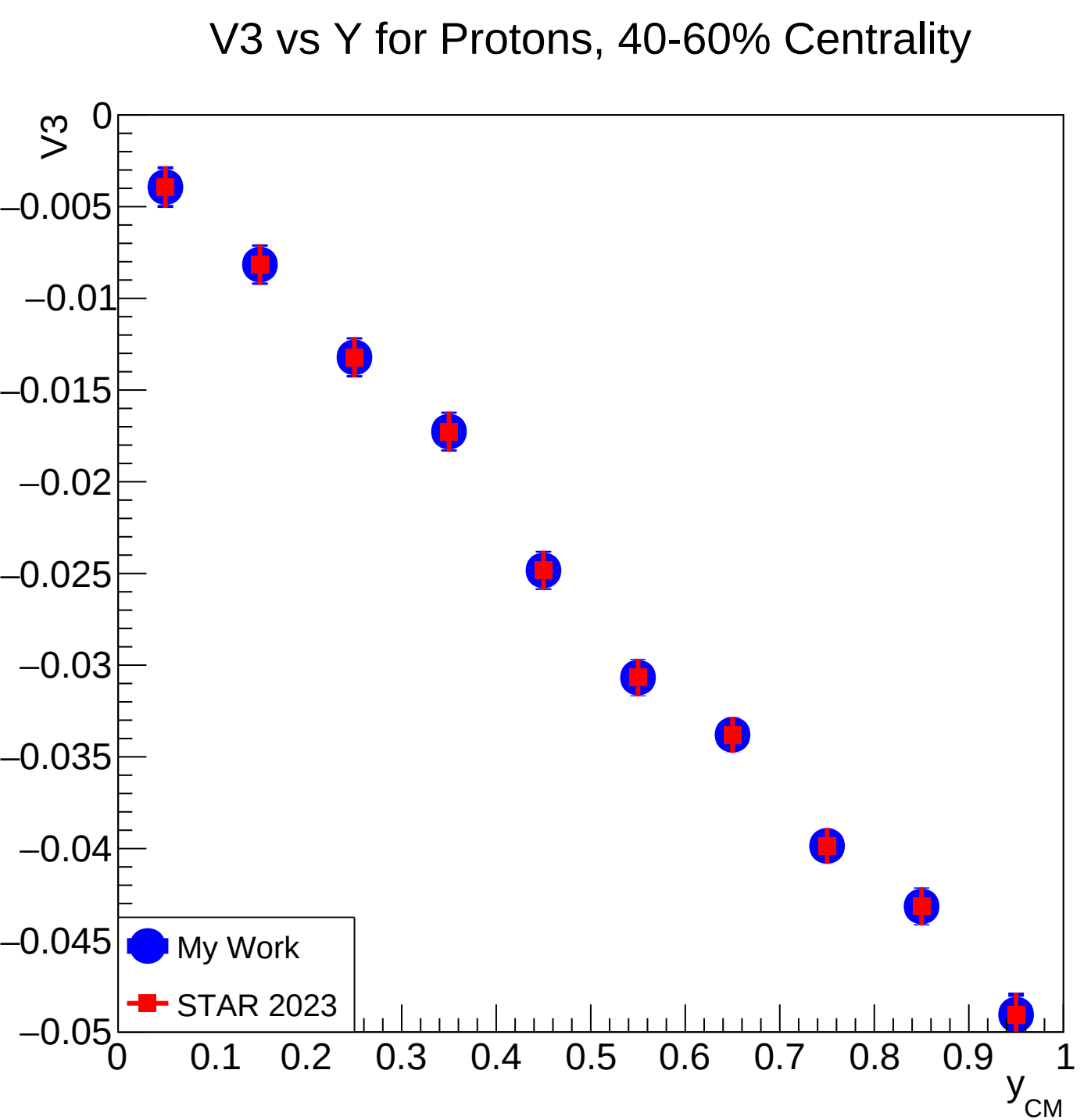

V3 vs Pt for Tritons, 0-10% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
1
2
3
4
5
6
Pt

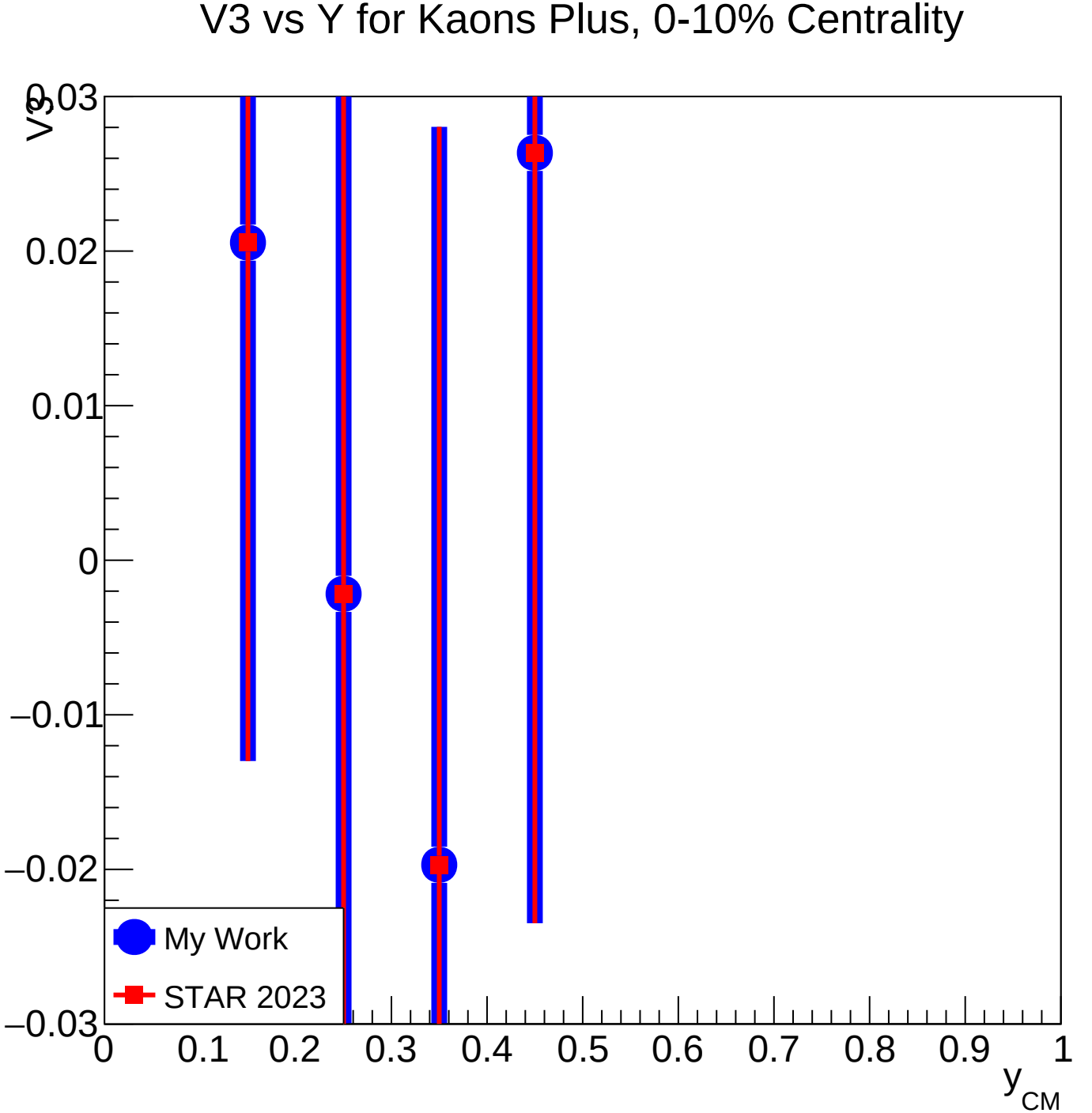

V3 vs Pt for Tritons, 10-40% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
1
2
3
4
5
6
Pt

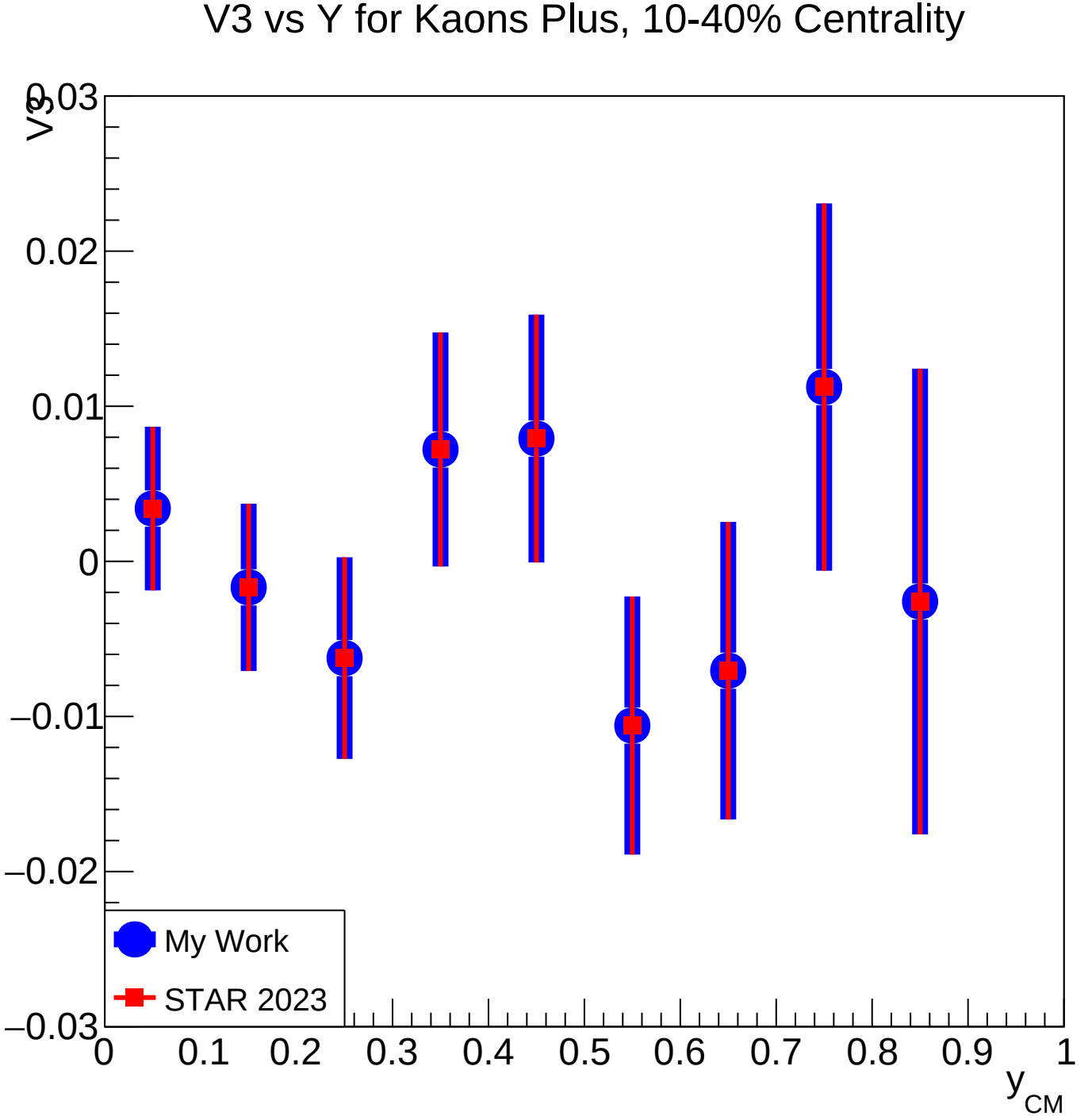

V3 vs Pt for Tritons, 40-60% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
1
2
3
4
5
6
Pt

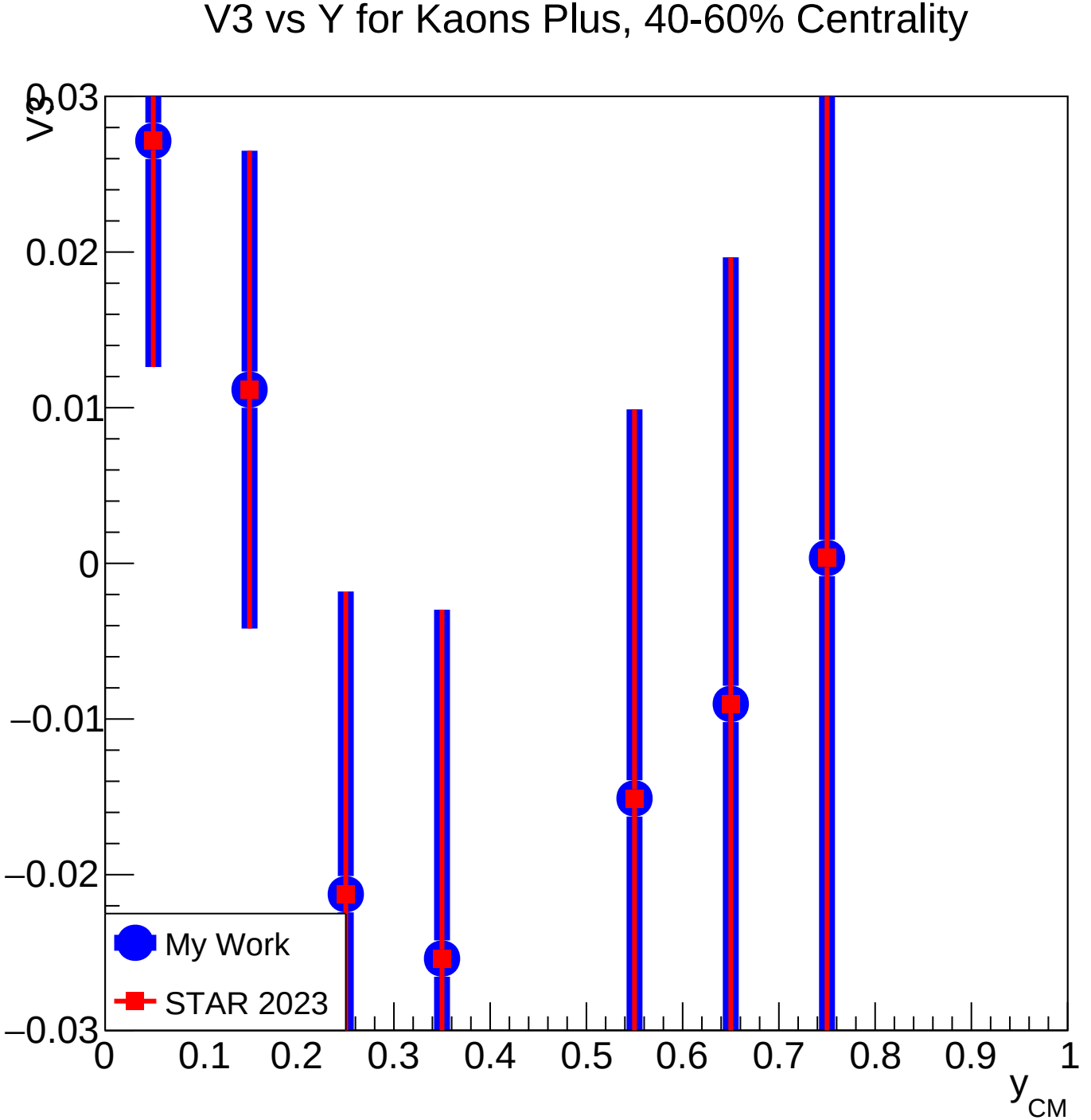

V3 vs Y for Protons, 0-10% Centrality
V3
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
−0.035
−0.04
−0.045
−0.05
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM
My Work
STAR 2023

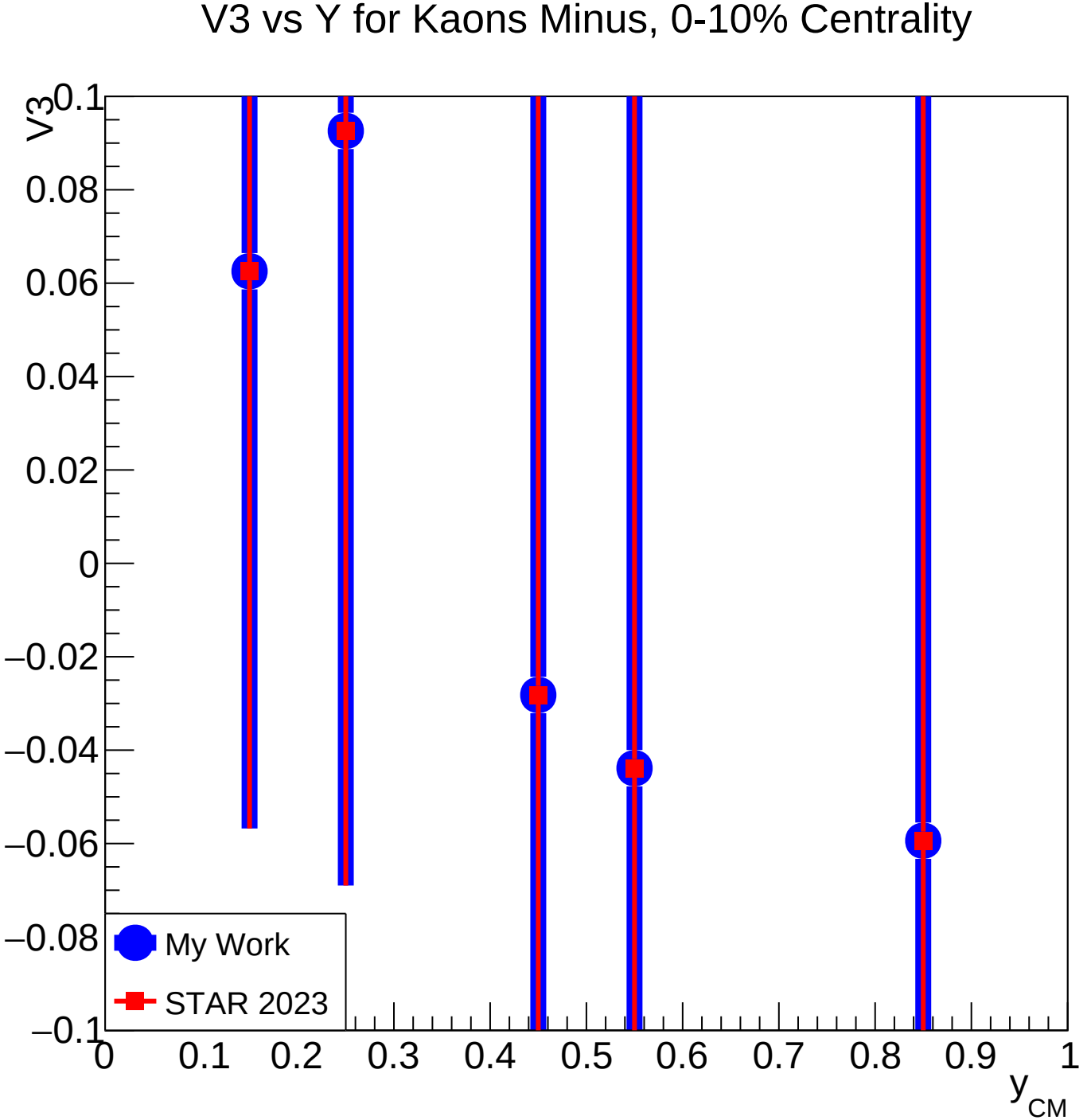

V3 vs Y for Protons, 10-40% Centrality
V3
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
−0.035
−0.04
−0.045
−0.05
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM
My Work
STAR 2023

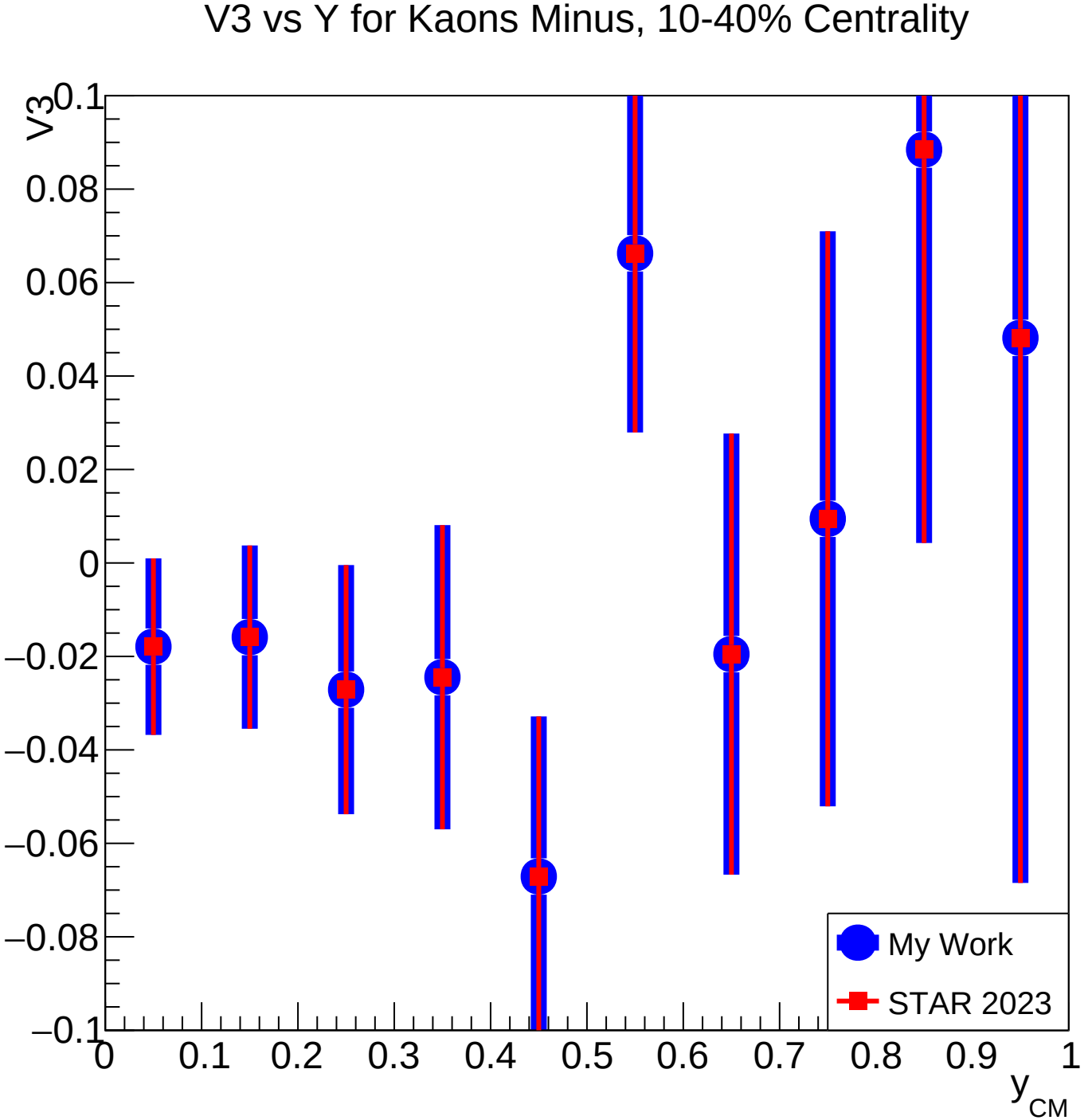

V3 vs Y for Protons, 40-60% Centrality
V3
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
−0.035
−0.04
−0.045
−0.05
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM
My Work
STAR 2023

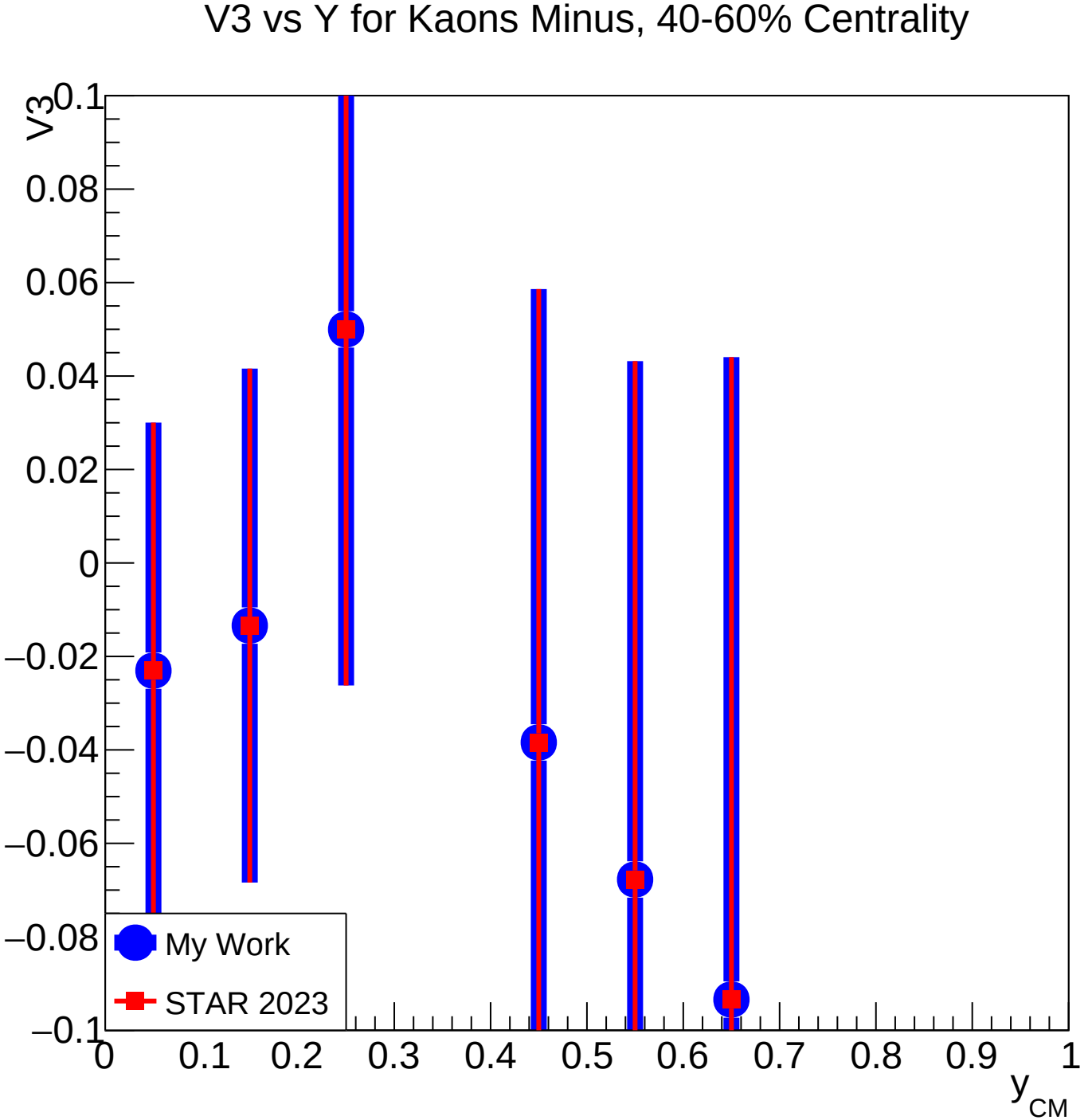

V3 vs Y for Kaons Plus, 0-10% Centrality
V3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM
My Work
STAR 2023

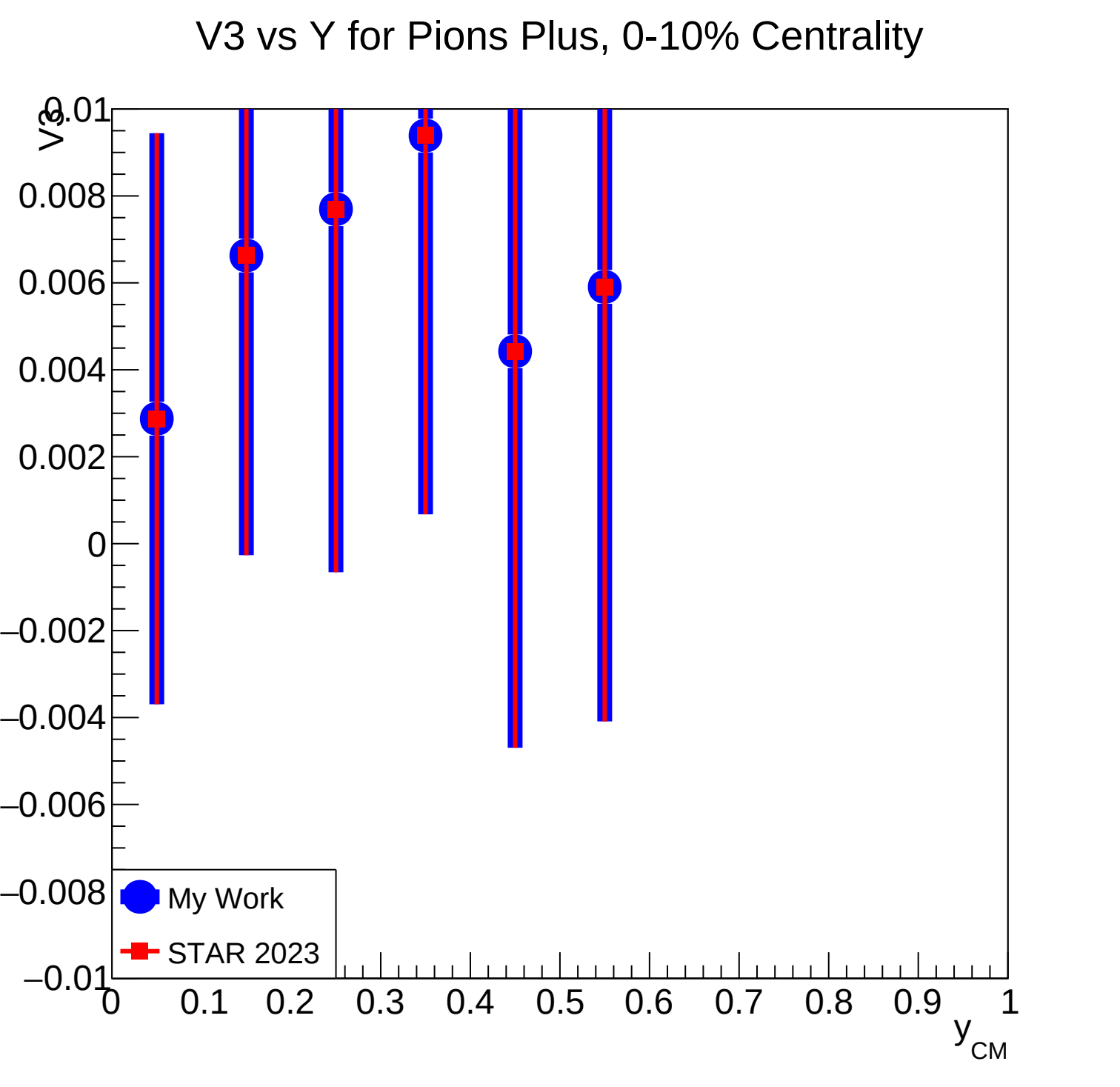

V3 vs Y for Kaons Plus, 10-40% Centrality
v3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
My Work
STAR 2023

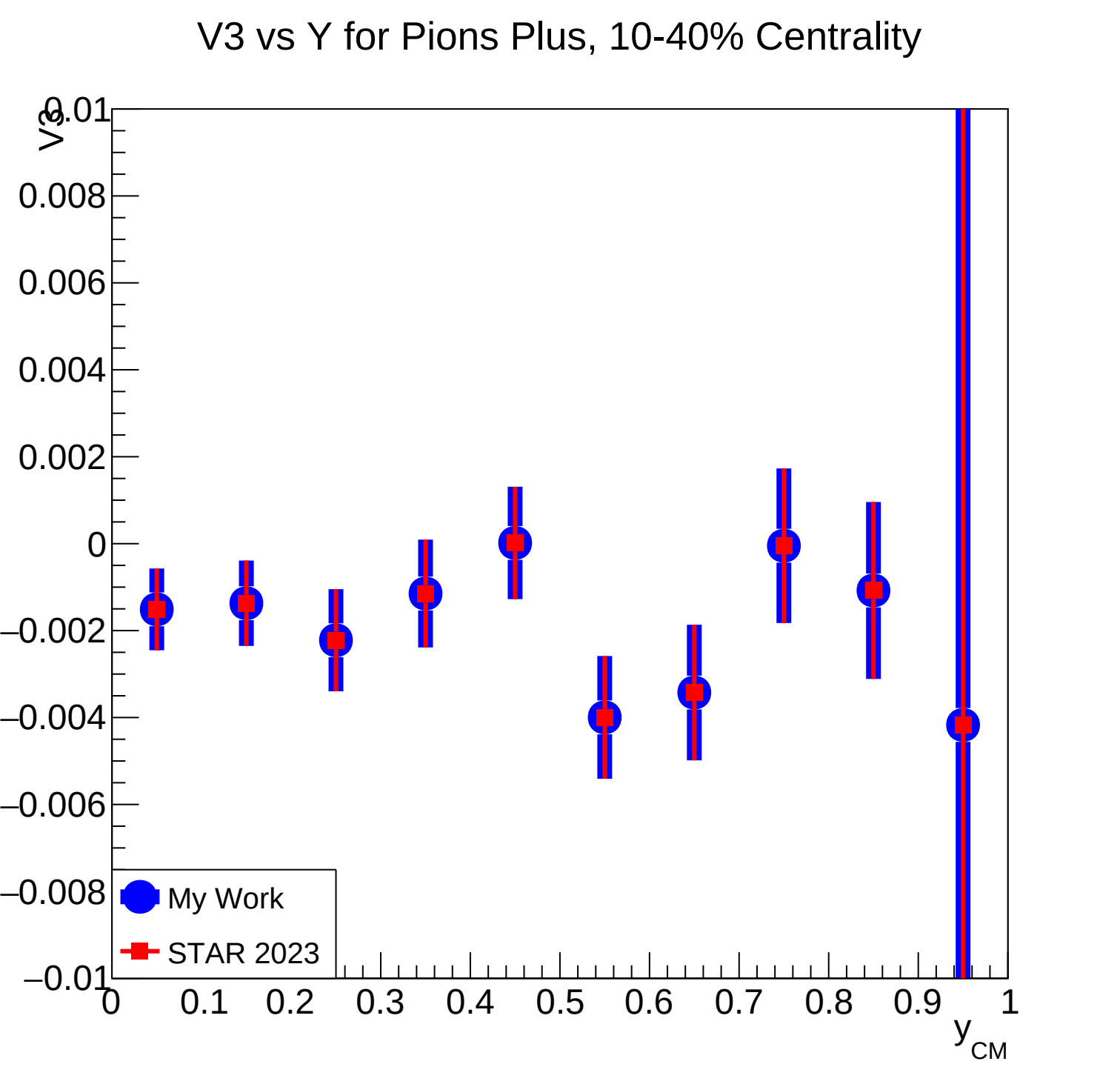

V3 vs Y for Kaons Plus, 40-60% Centrality
V3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM
My Work
STAR 2023

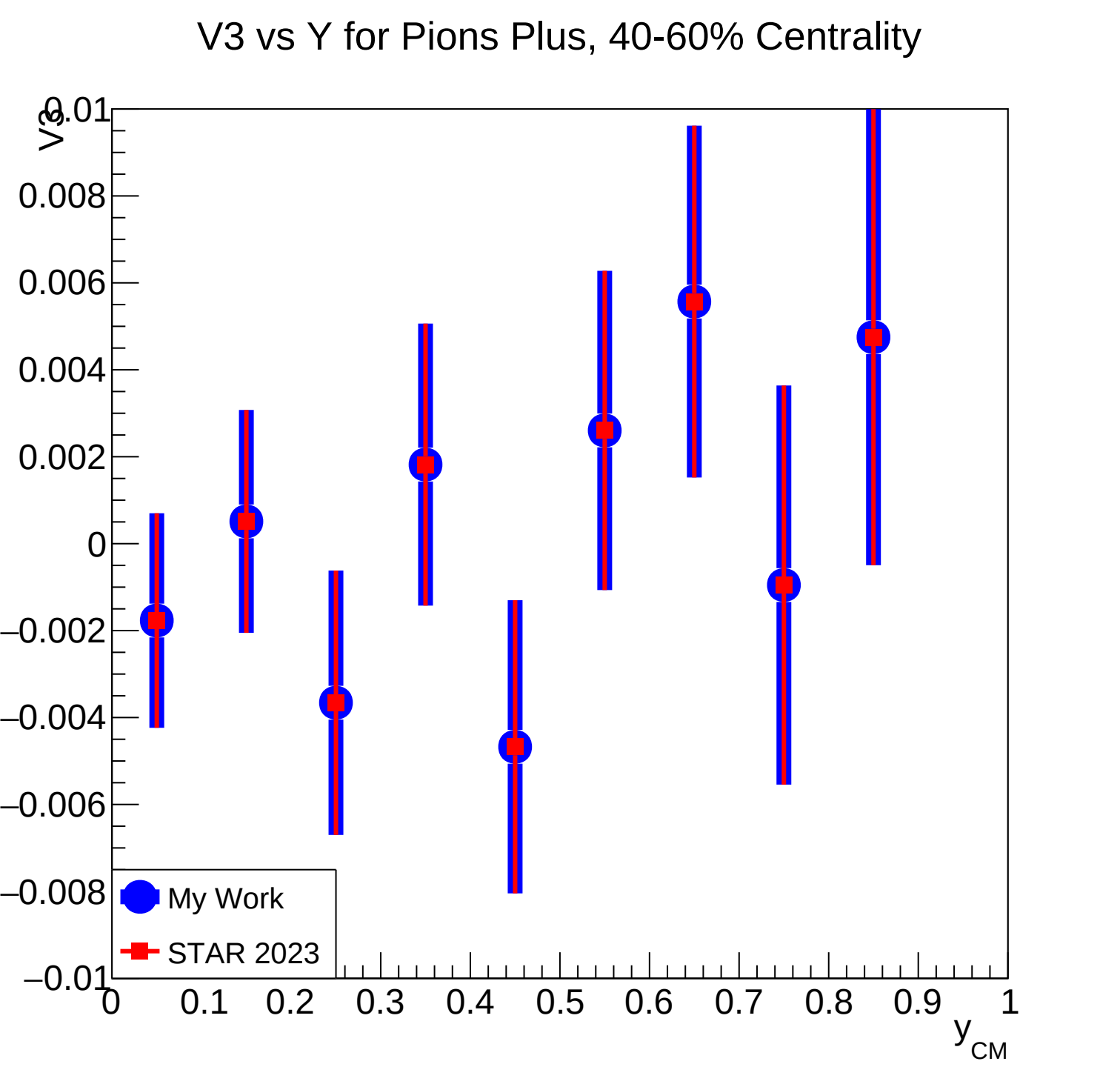

V3 vs Y for Kaons Minus, 0-10% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
My Work
STAR 2023

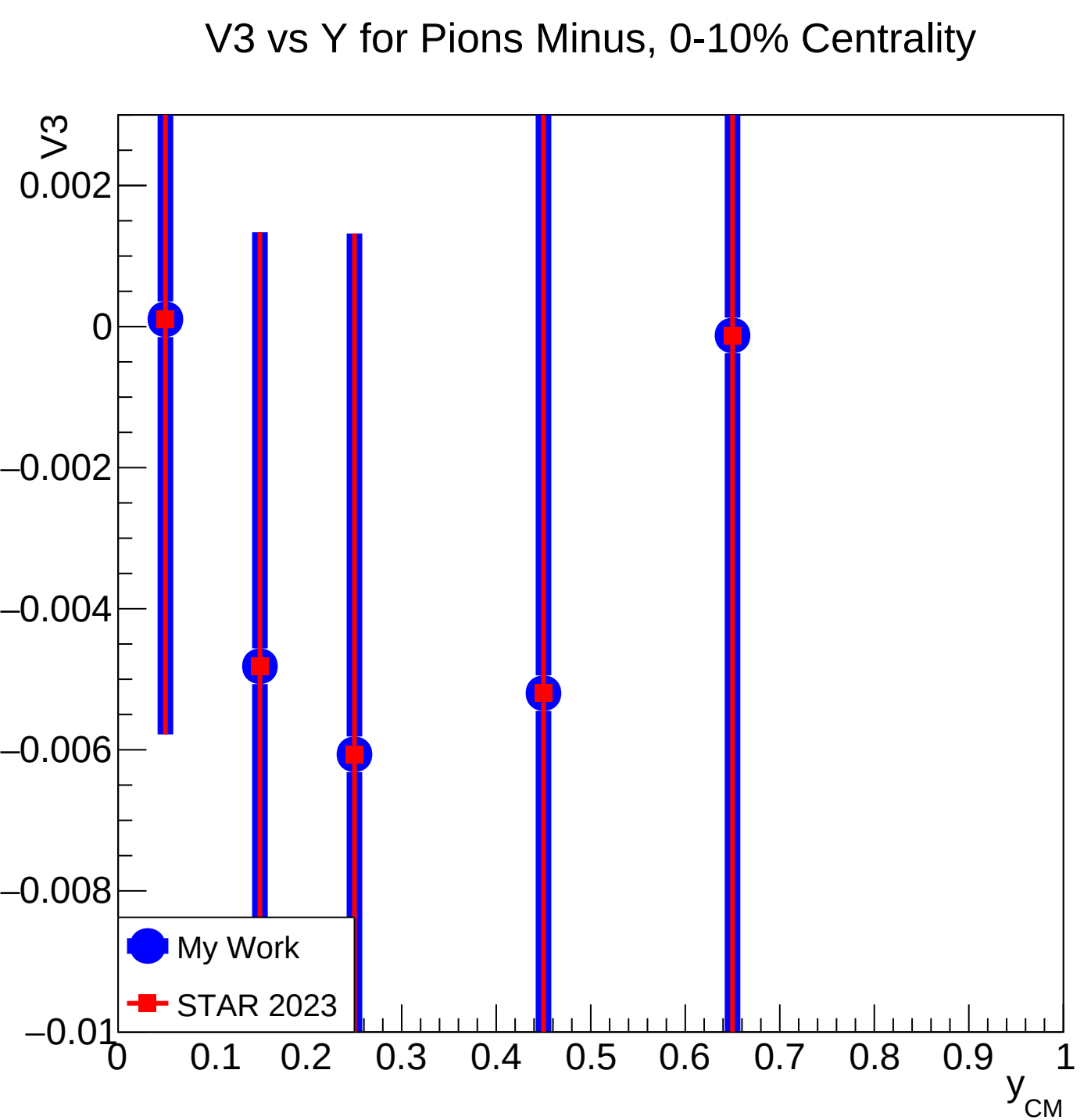

V3 vs Y for Kaons Minus, 10-40% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
My Work
STAR 2023

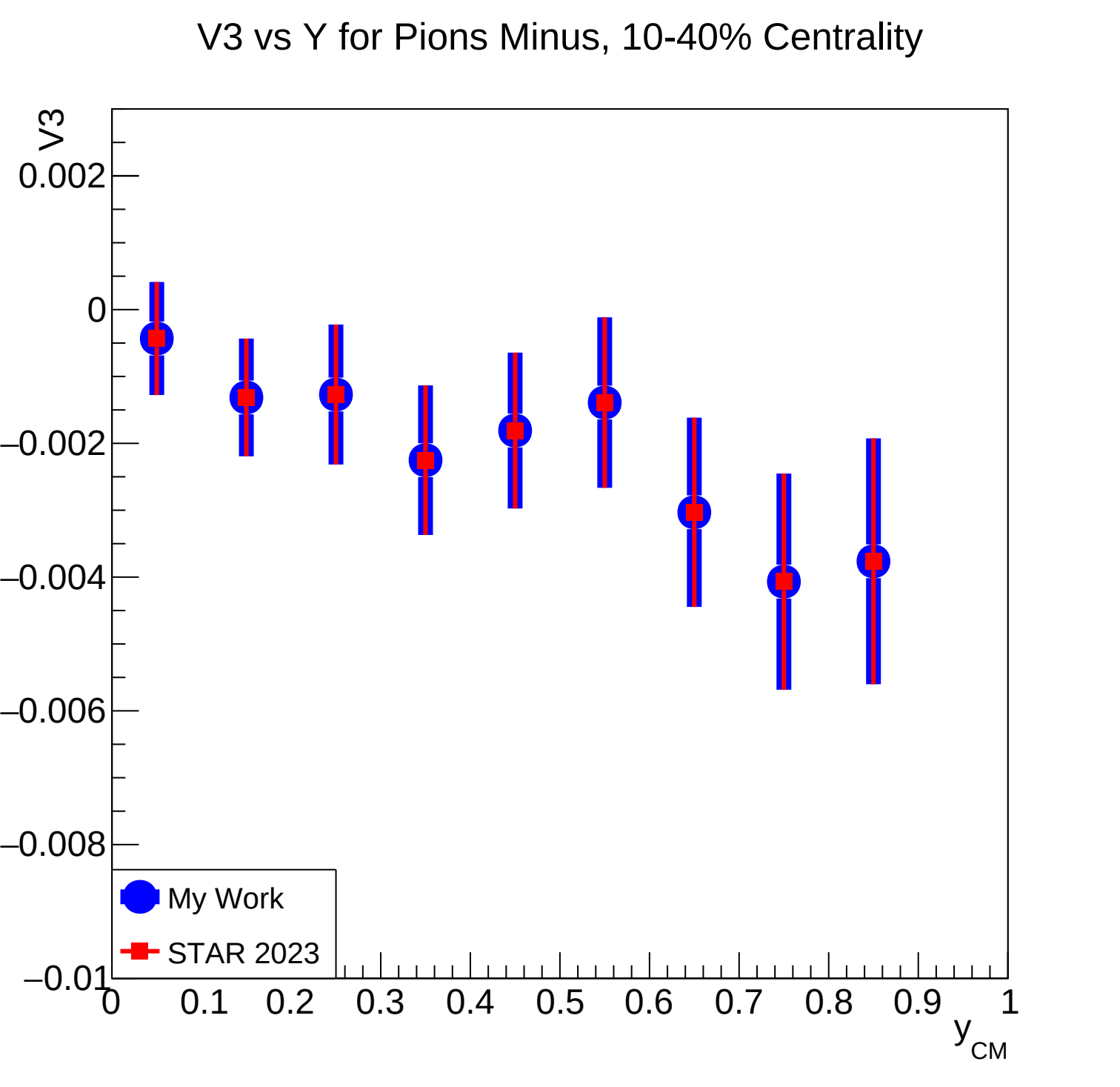

V3 vs Y for Kaons Minus, 40-60% Centrality
V3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
My Work
STAR 2023

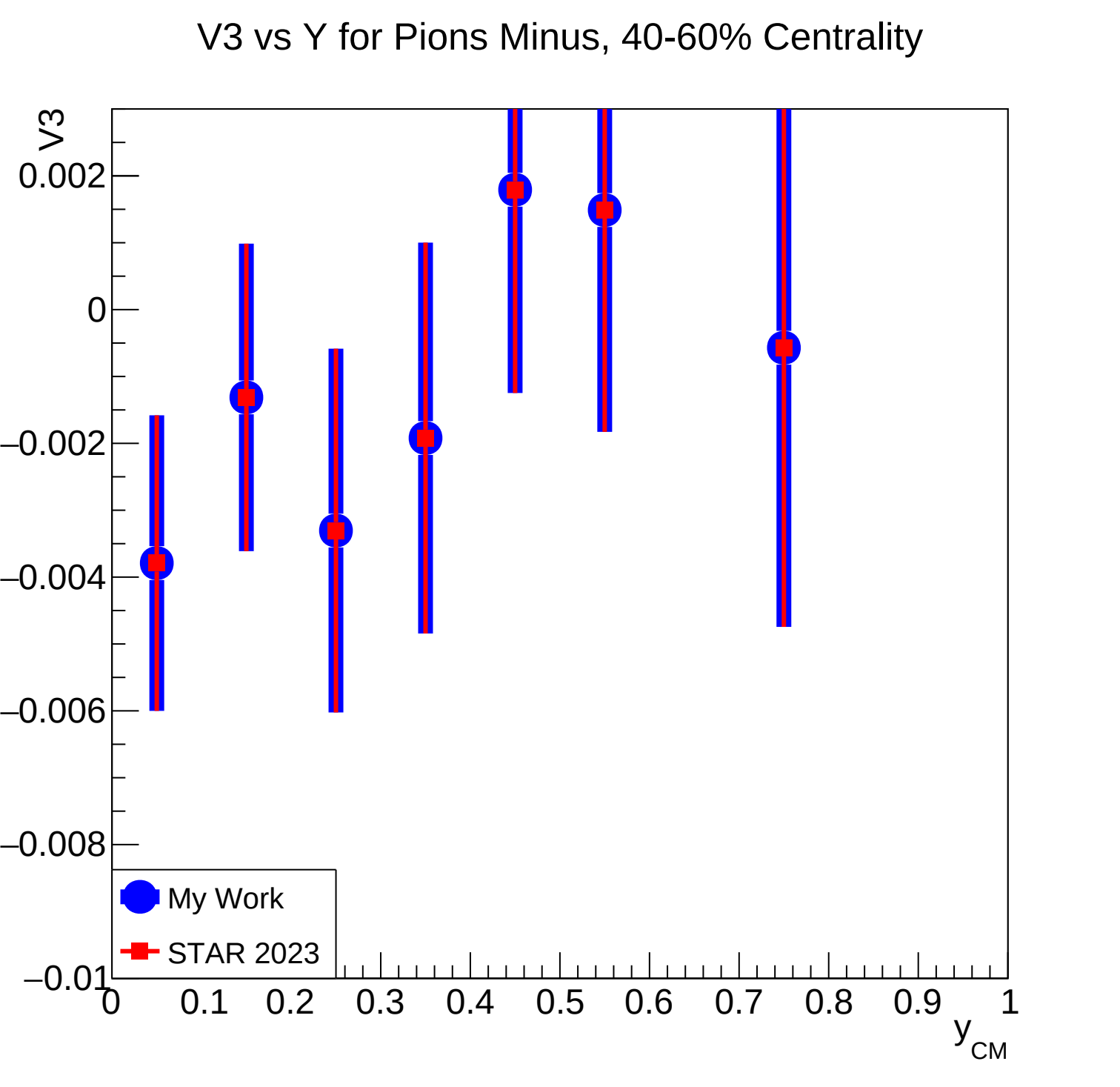

V3 vs Y for Pions Plus, 0-10% Centrality
V3
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
My Work
STAR 2023

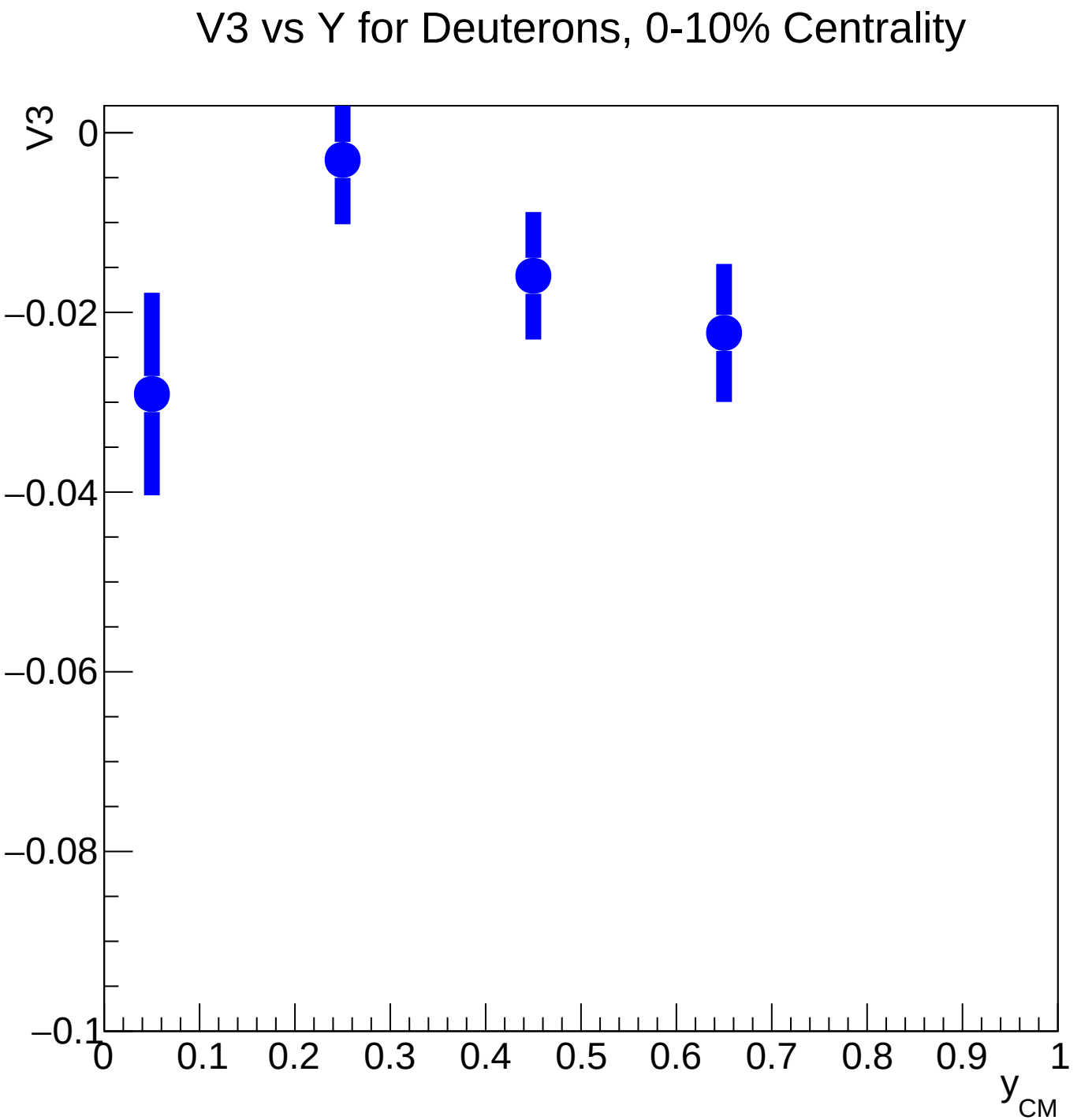

V3 vs Y for Pions Plus, 10-40% Centrality
V3
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
My Work
STAR 2023

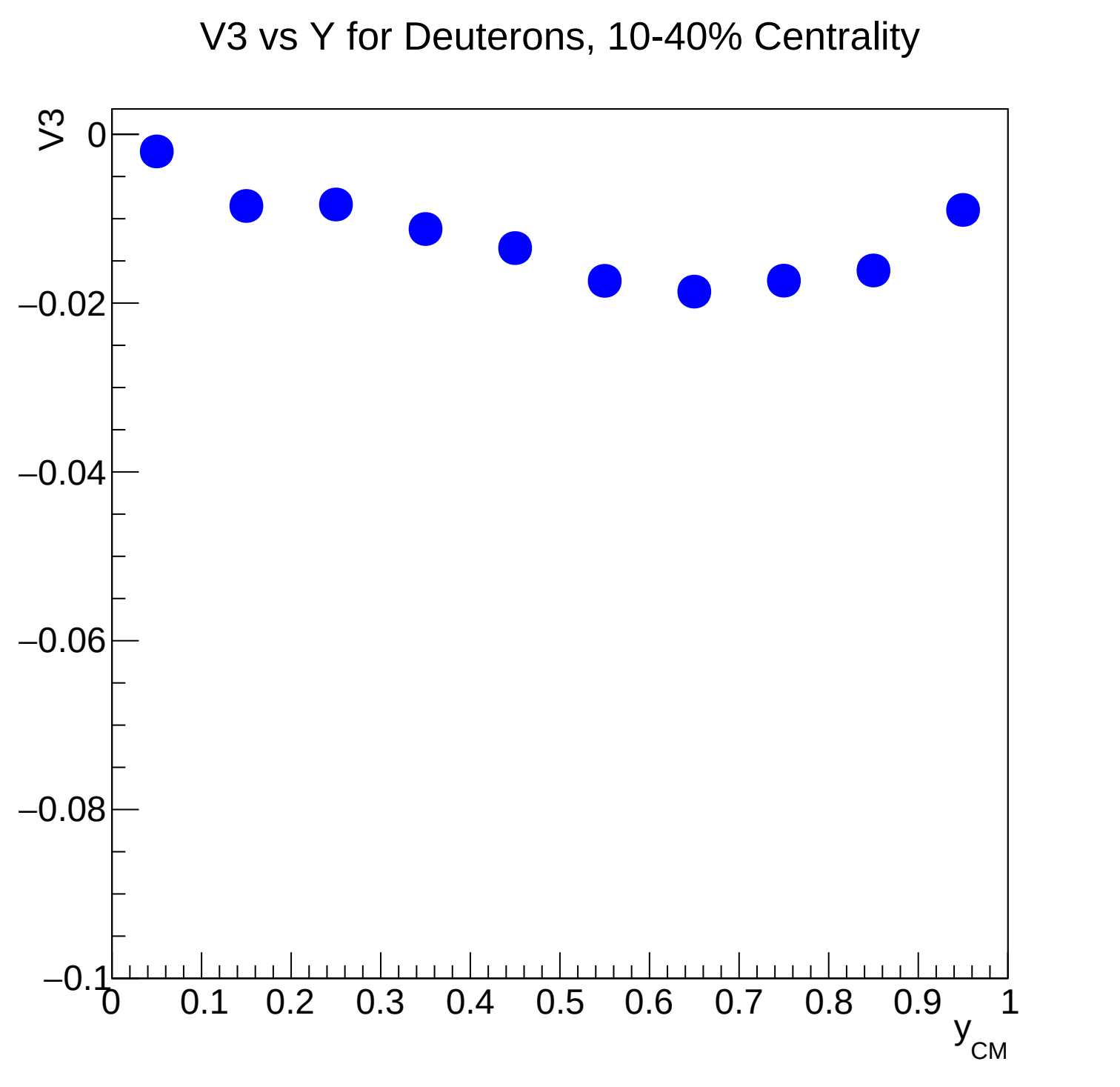

V3 vs Y for Pions Plus, 40-60% Centrality
V3
0.01
0.008
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
My Work
STAR 2023

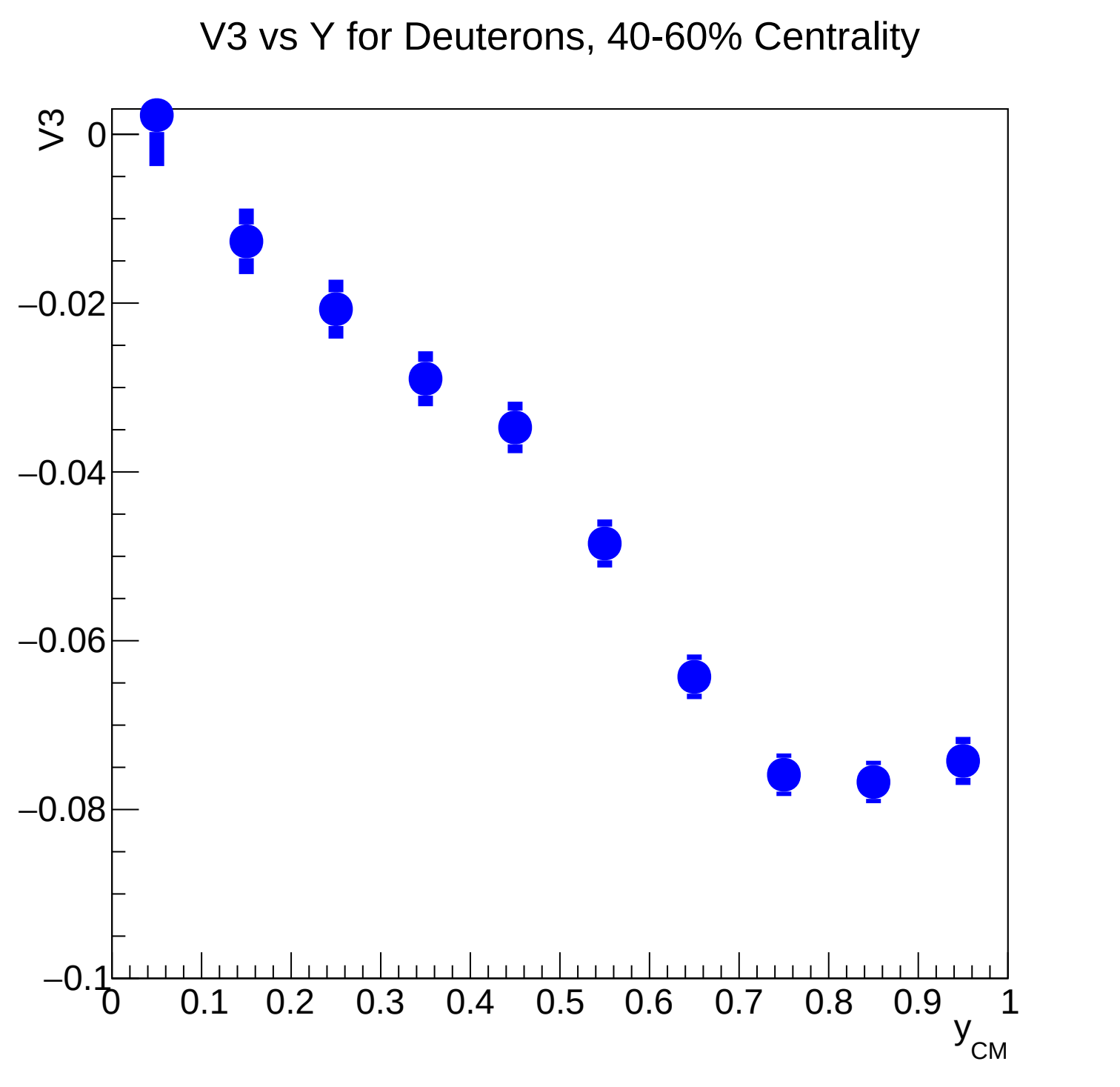

V3 vs Y for Pions Minus, 0-10% Centrality
V3
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM
My Work
STAR 2023

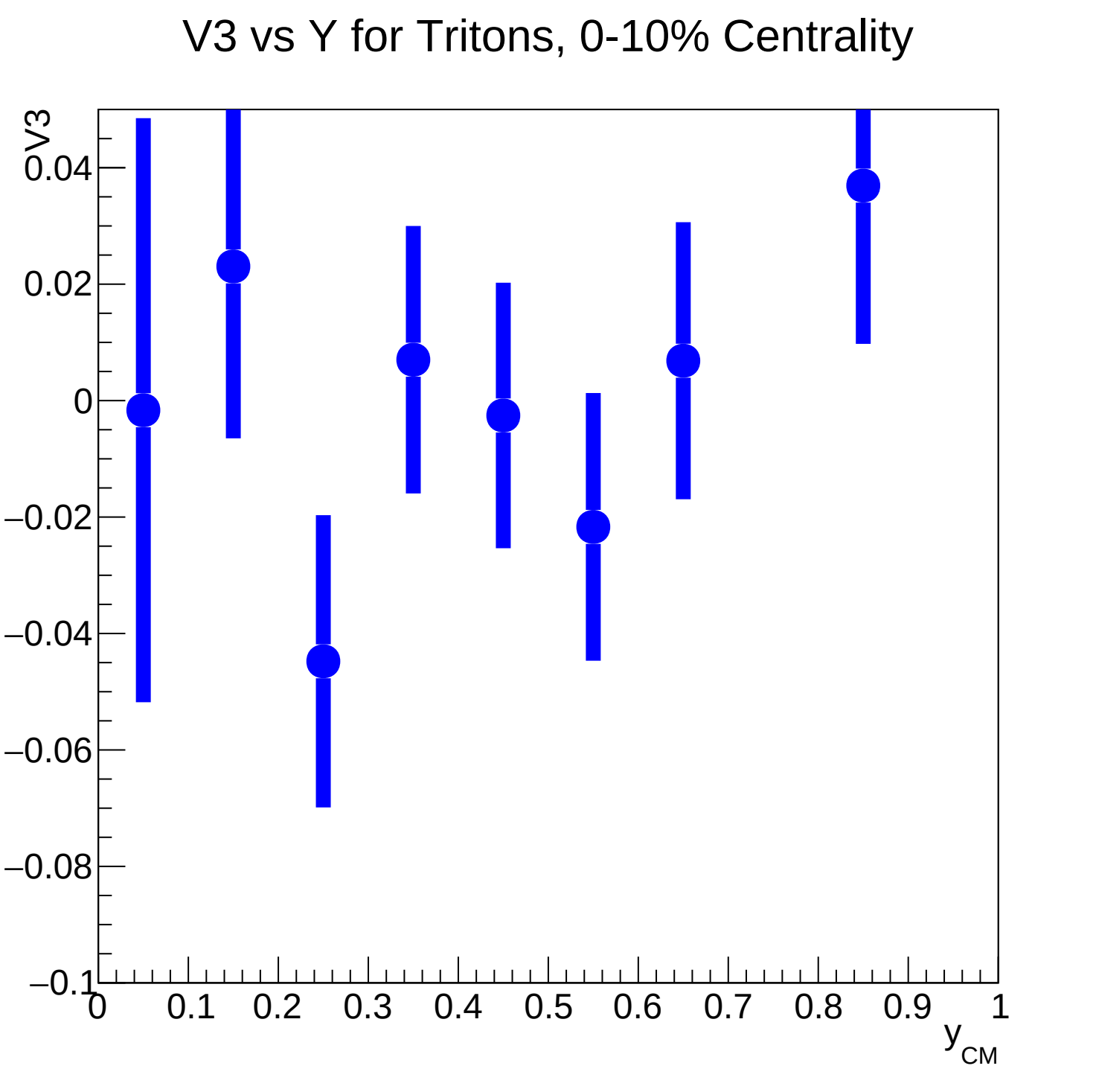

V3 vs Y for Pions Minus, 10-40% Centrality
V3
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM
My Work
STAR 2023

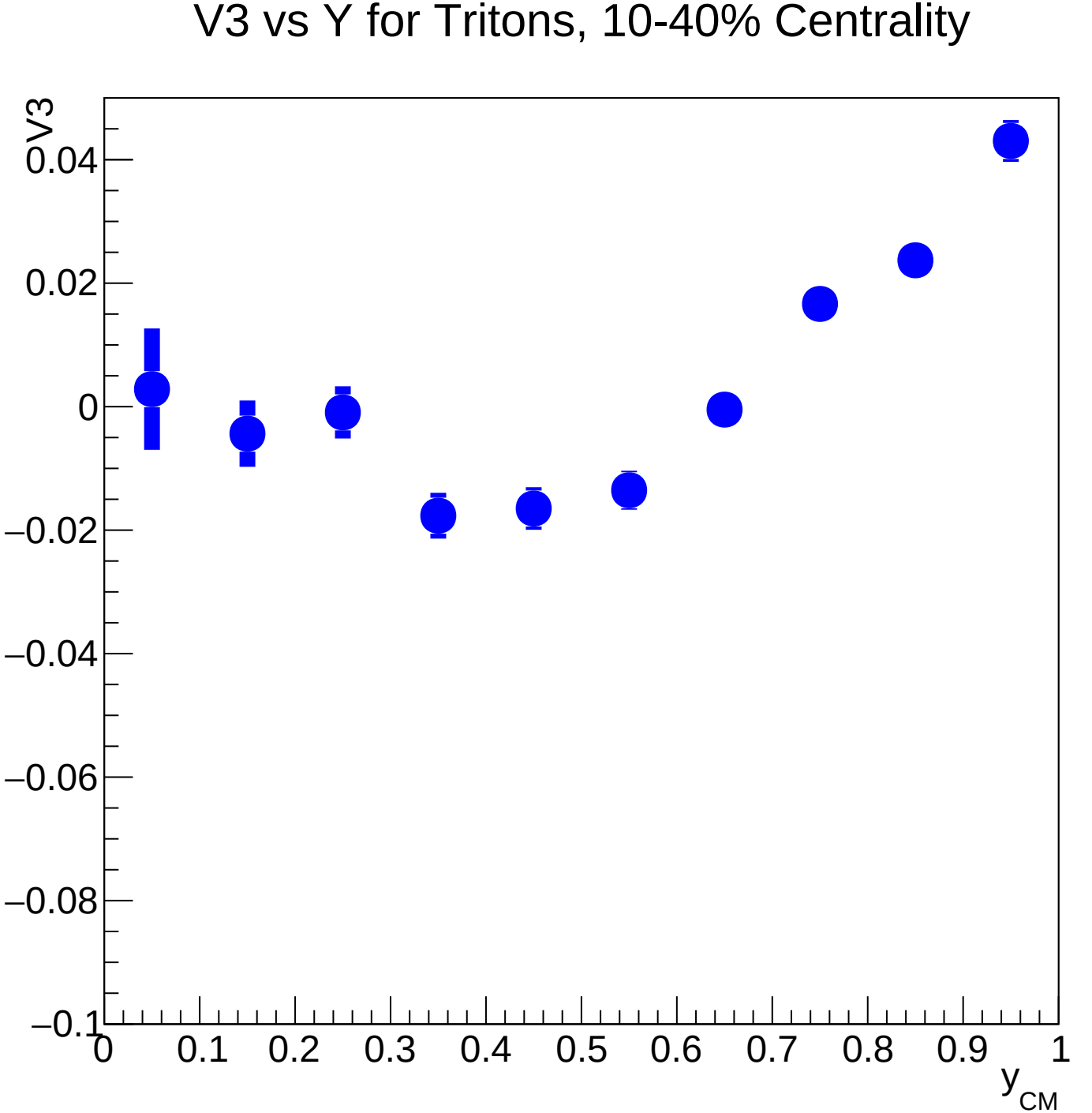

V3 vs Y for Pions Minus, 40-60% Centrality
V3
0.002
0
−0.002
−0.004
−0.006
−0.008
−0.01
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
My Work
STAR 2023

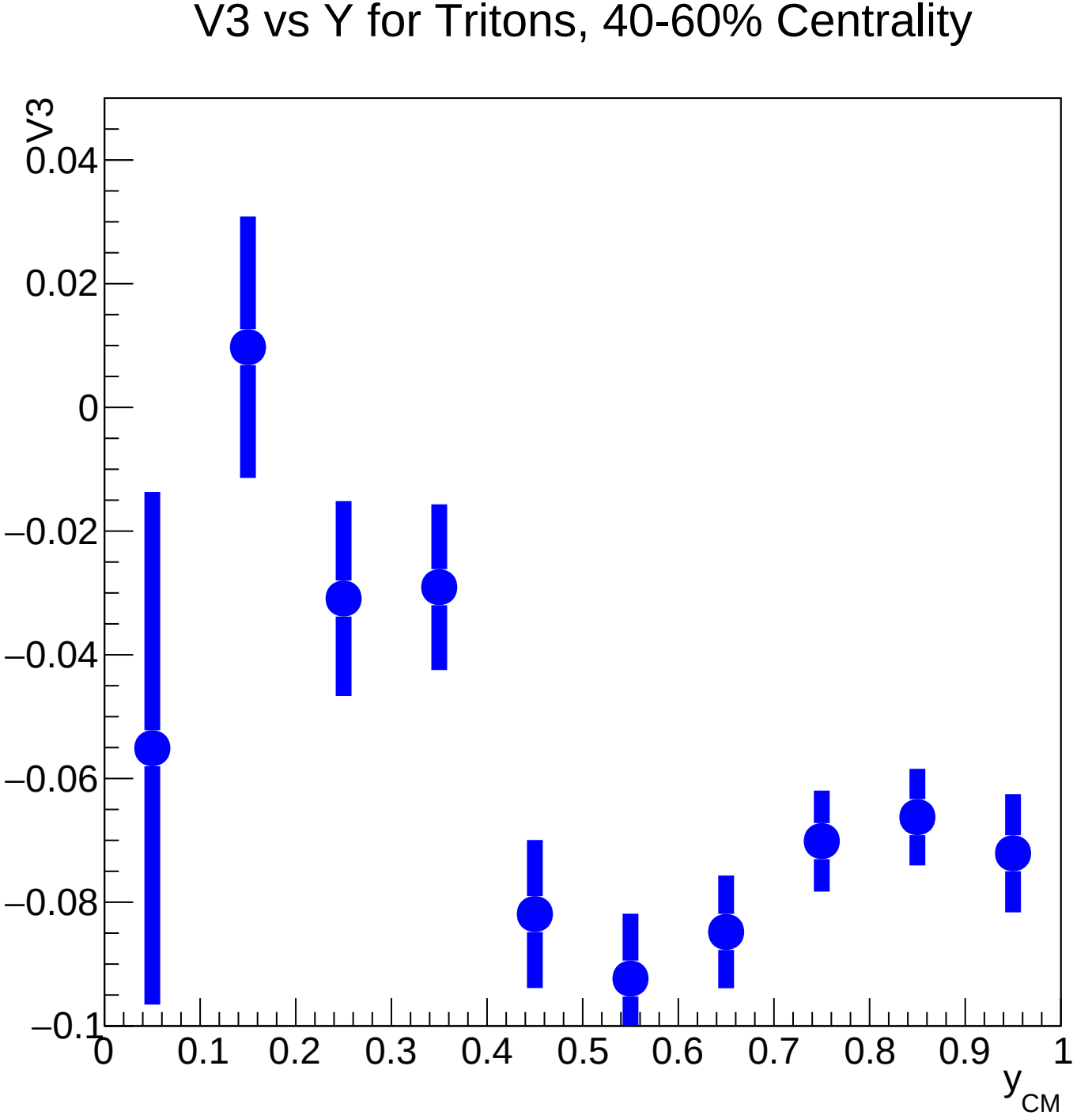

V3 vs Y for Deuterons, 0-10% Centrality
V3
0
−0.02
−0.04
−0.06
−0.08
−0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM

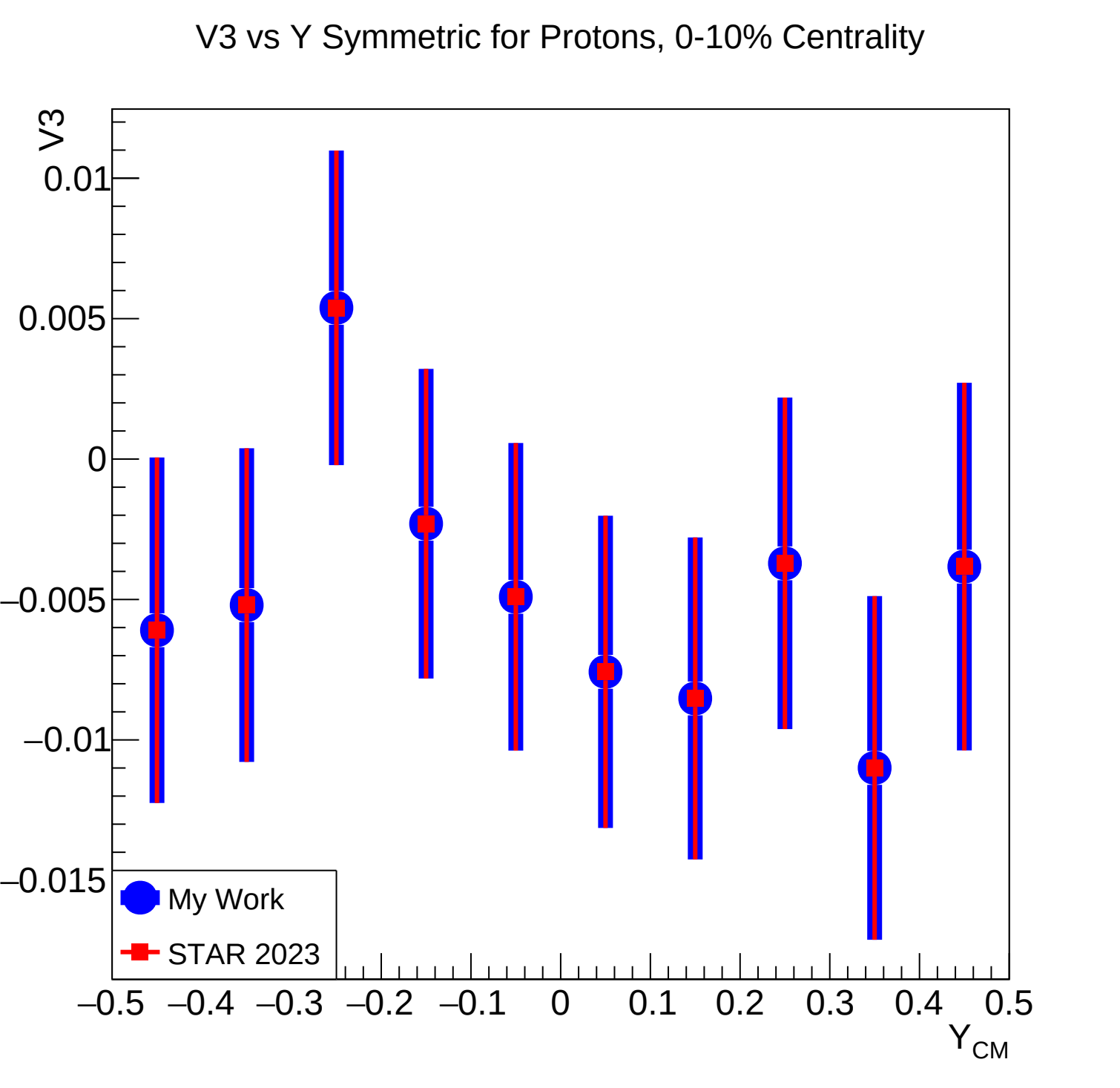

V3 vs Y for Deuterons, 10-40% Centrality
V3
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM

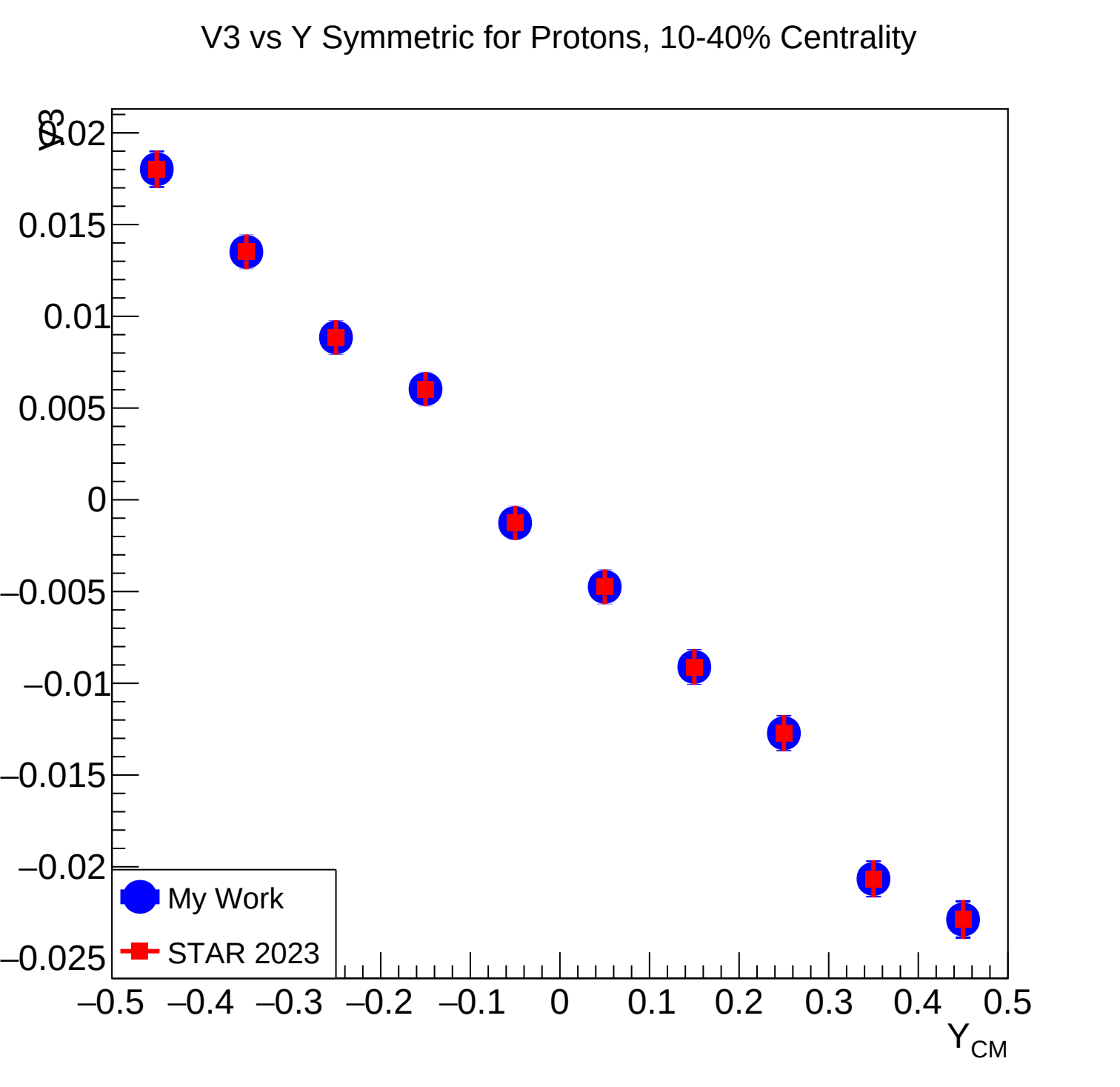

V3 vs Y for Deuterons, 40-60% Centrality
V3
0
−0.02
−0.04
−0.06
−0.08
−0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM

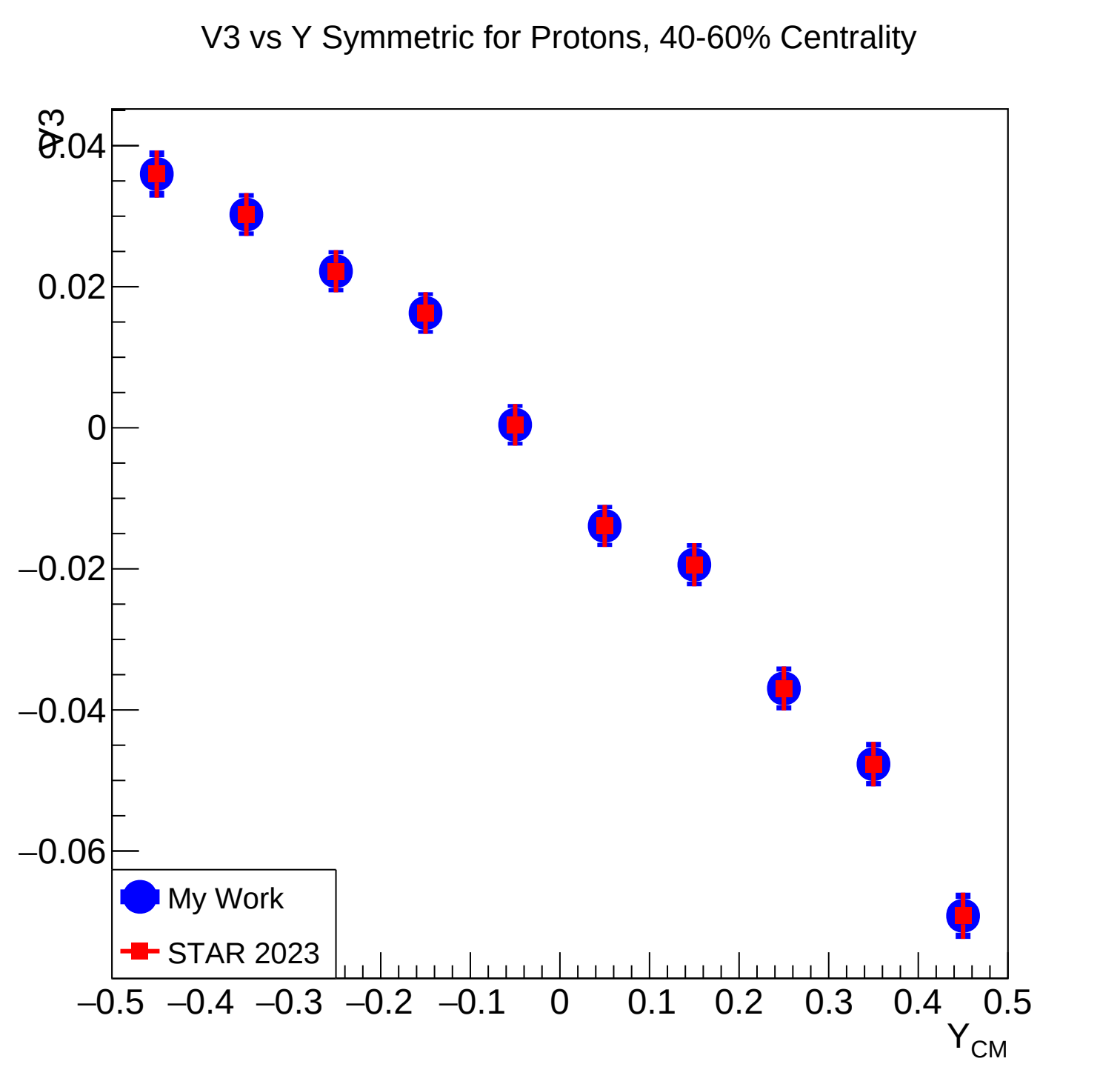

V3 vs Y for Tritons, 0-10% Centrality
V3
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM

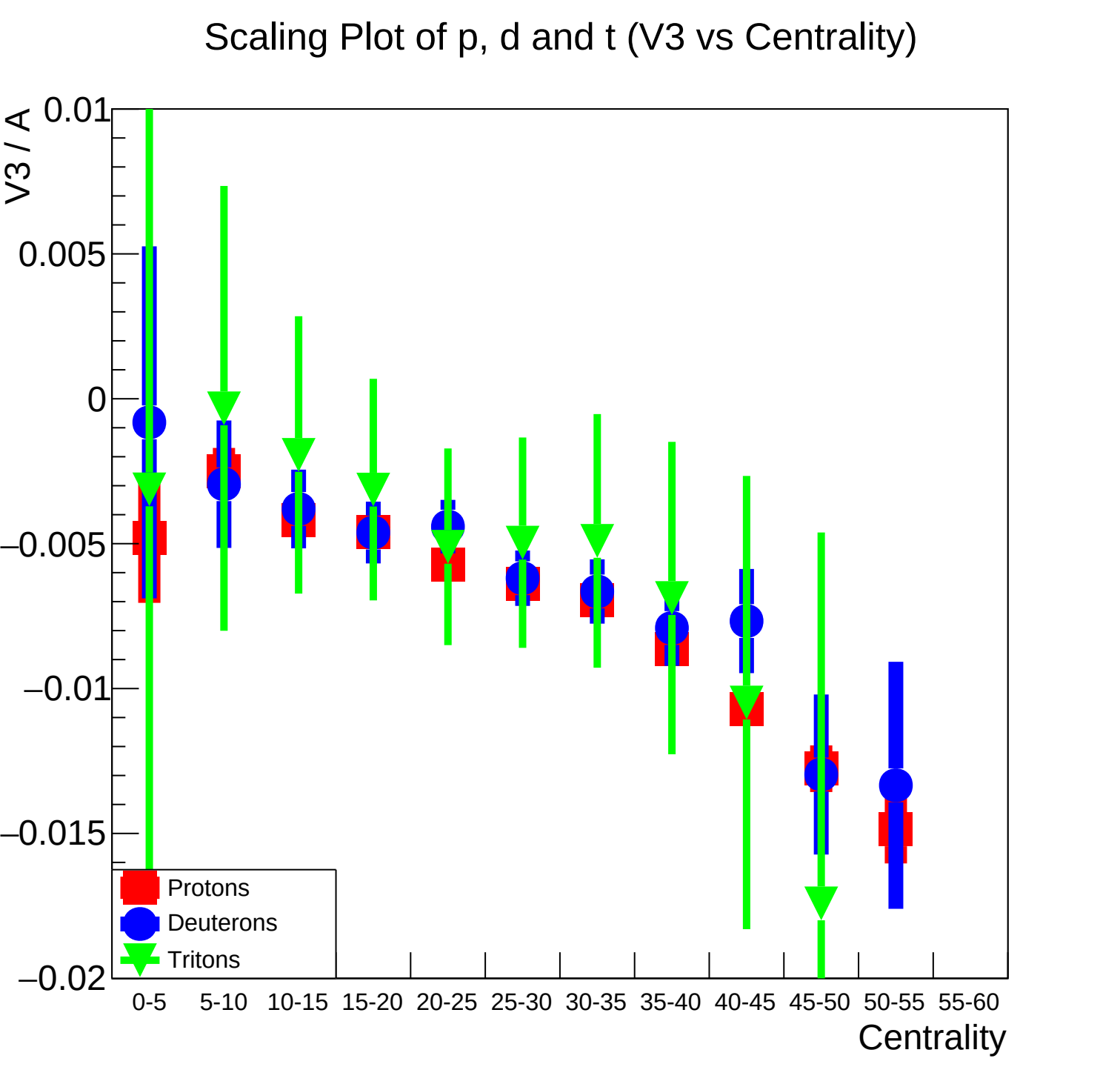

V3 vs Y for Tritons, 10-40% Centrality
V3
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM

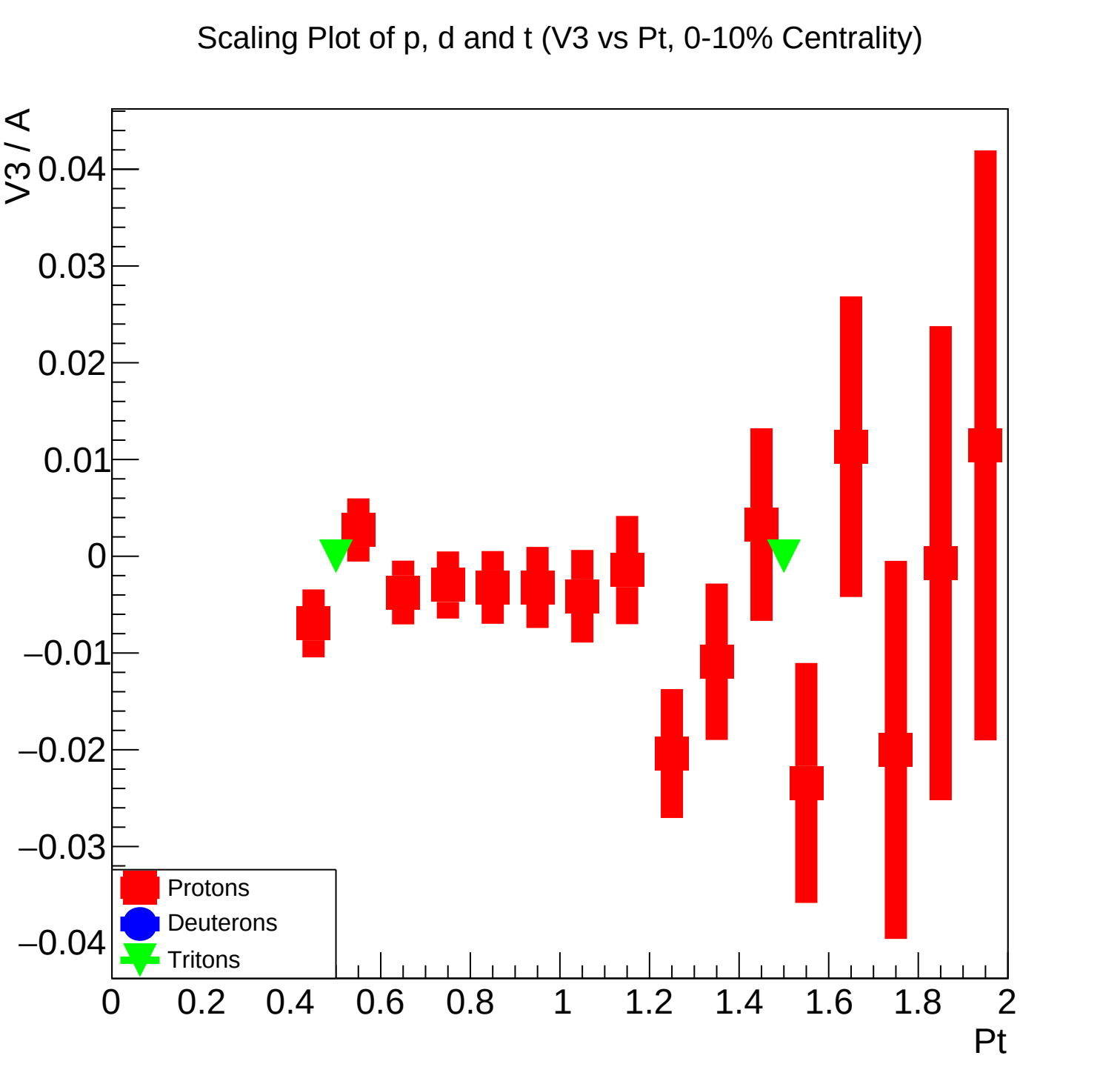

V3 vs Y for Tritons, 40-60% Centrality
V3
0.04
0.02
0
–0.02
–0.04
–0.06
–0.08
–0.1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y_CM

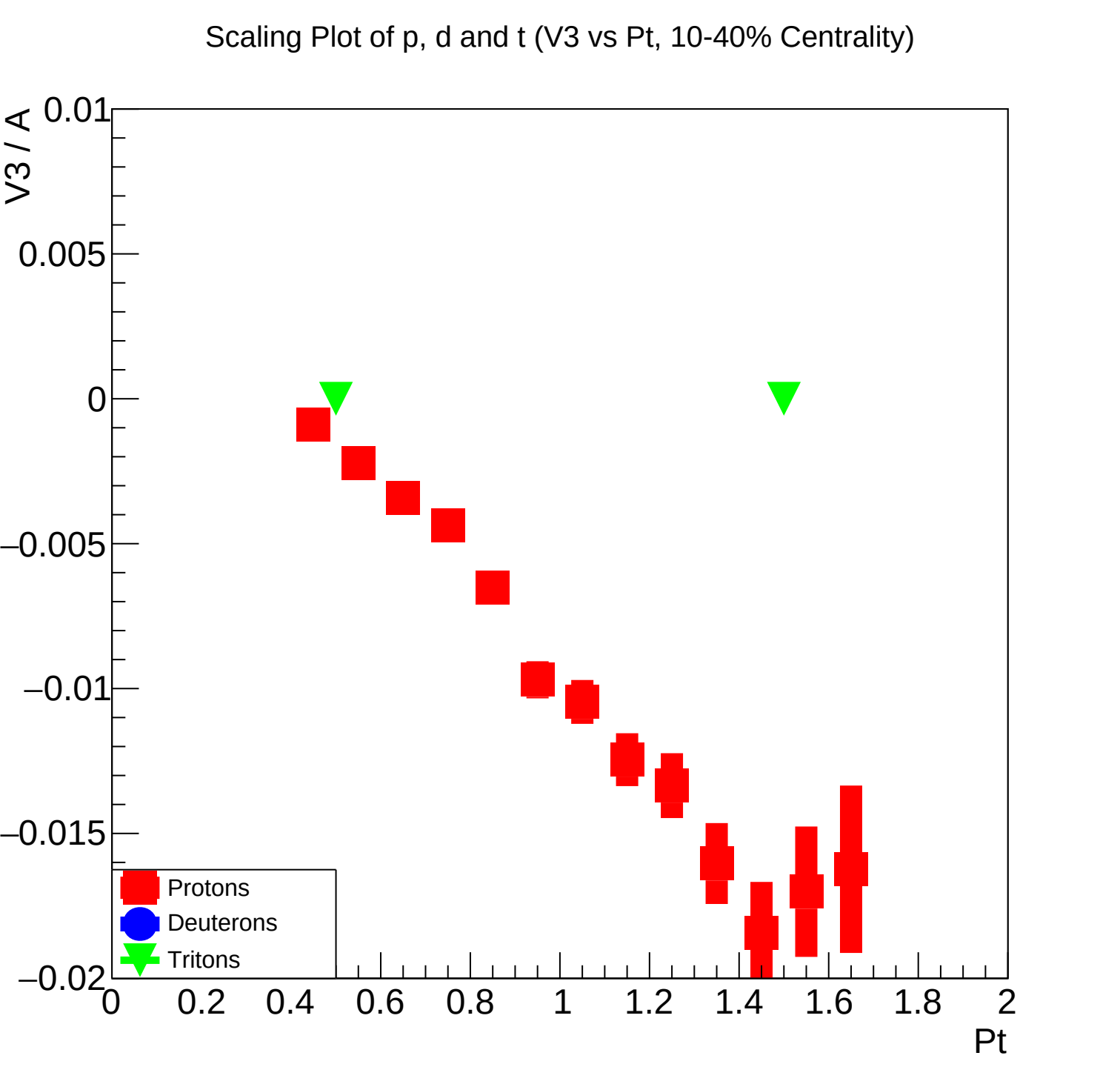

V3 vs Y Symmetric for Protons, 0-10% Centrality
V3
0.01
0.005
0
−0.005
−0.01
−0.015
My Work
STAR 2023
−0.5
−0.4
−0.3
−0.2
−0.1
0
0.1
0.2
0.3
0.4
0.5
Y CM

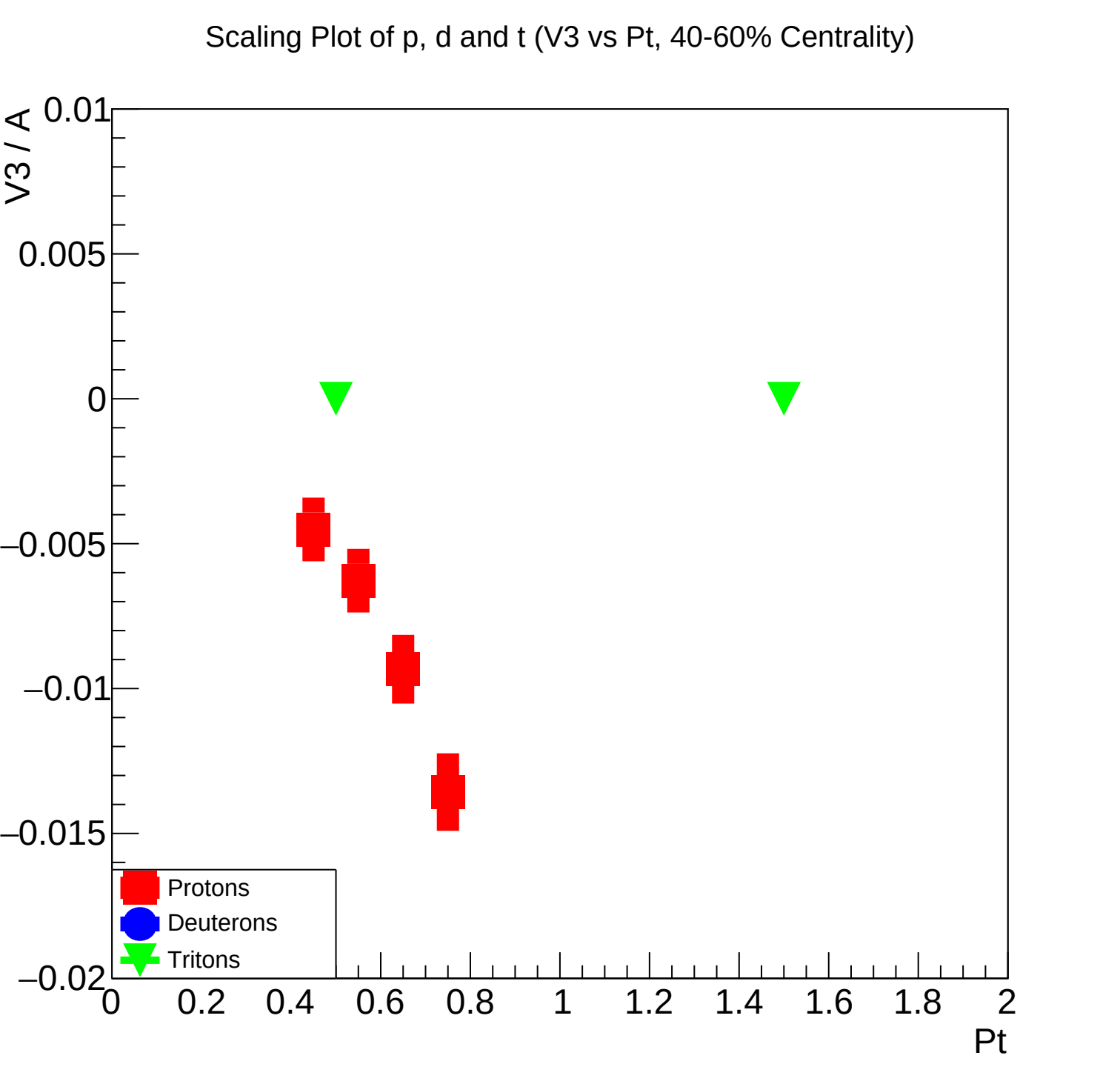

V3 vs Y Symmetric for Protons, 10-40% Centrality
v3
0.02
0.015
0.01
0.005
0
–0.005
–0.01
–0.015
–0.02
–0.025
–0.5
–0.4
–0.3
–0.2
–0.1
0
0.1
0.2
0.3
0.4
0.5
Y CM
My Work
STAR 2023

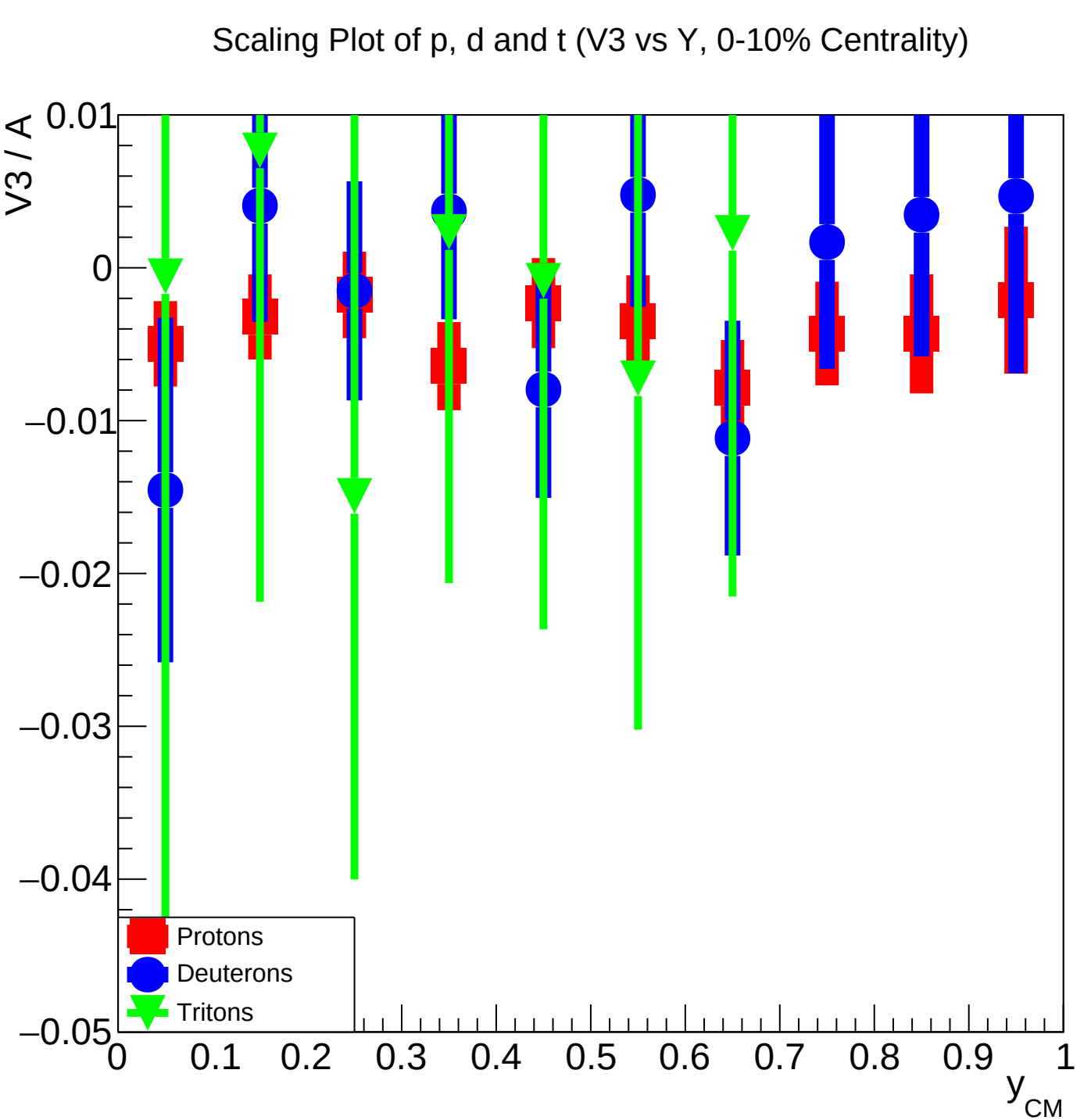

V3 vs Y Symmetric for Protons, 40-60% Centrality
V3
0.04
0.02
0
–0.02
–0.04
–0.06
My Work
STAR 2023
–0.5
–0.4
–0.3
–0.2
–0.1
0
0.1
0.2
0.3
0.4
0.5
Y CM

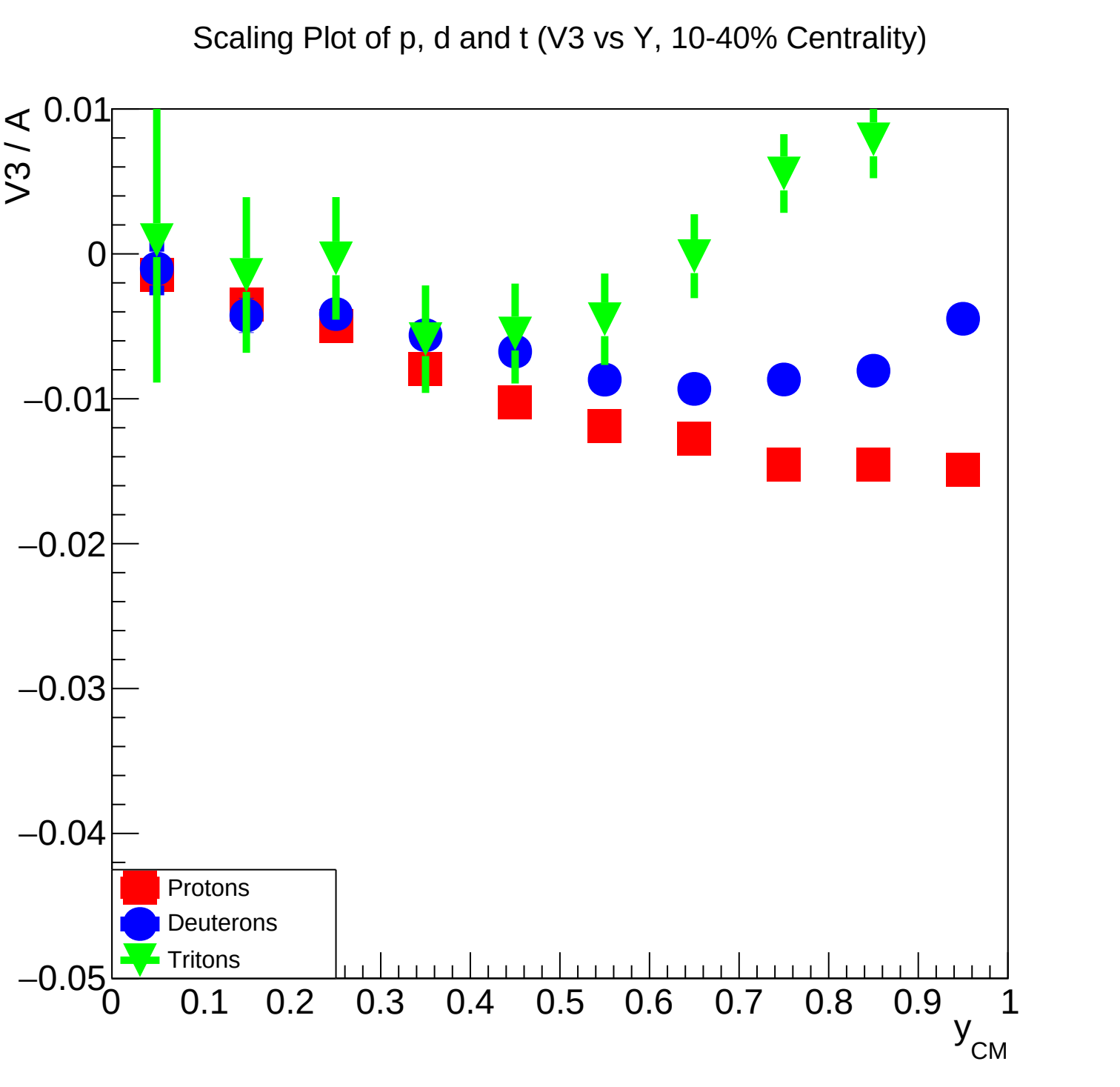

Scaling Plot of p, d and t (V3 vs Centrality)
V3 / A
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
Protons
Deuterons
Tritons
0-5
5-10
10-15
15-20
20-25
25-30
30-35
35-40
40-45
45-50
50-55
55-60
Centrality

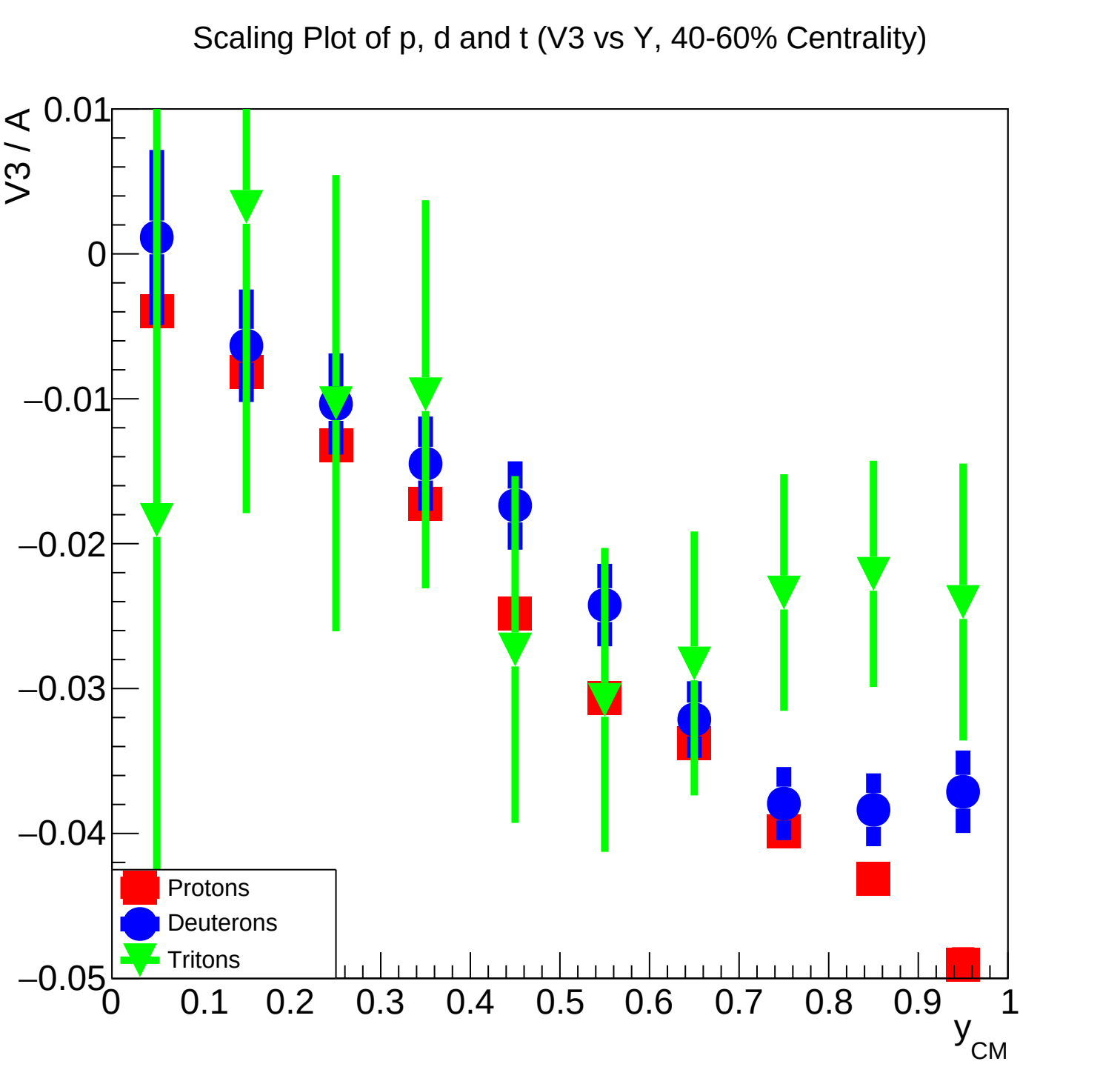

Scaling Plot of p, d and t (V3 vs Pt, 0-10% Centrality)
V3 / A
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
Protons
Deuterons
Tritons


Scaling Plot of p, d and t (V3 vs Pt, 10-40% Centrality)
V3 / A
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
Protons
Deuterons
Tritons


Scaling Plot of p, d and t (V3 vs Pt, 40-60% Centrality)
V3 / A
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Pt
Protons
Deuterons
Tritons


Scaling Plot of p, d and t (V3 vs Y, 0-10% Centrality)
V3 / A
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
Protons
Deuterons
Tritons


Scaling Plot of p, d and t (V3 vs Y, 10-40% Centrality)
V3 / A
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
Protons
Deuterons
Tritons


Scaling Plot of p, d and t (V3 vs Y, 40-60% Centrality)
V3 / A
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
y CM
Protons
Deuterons
Tritons