

Iron (IV) Sulfide (FW=119.98) in the Mineral PYRITE

FeS<sub>2</sub>

Detailed Surface Composition Table

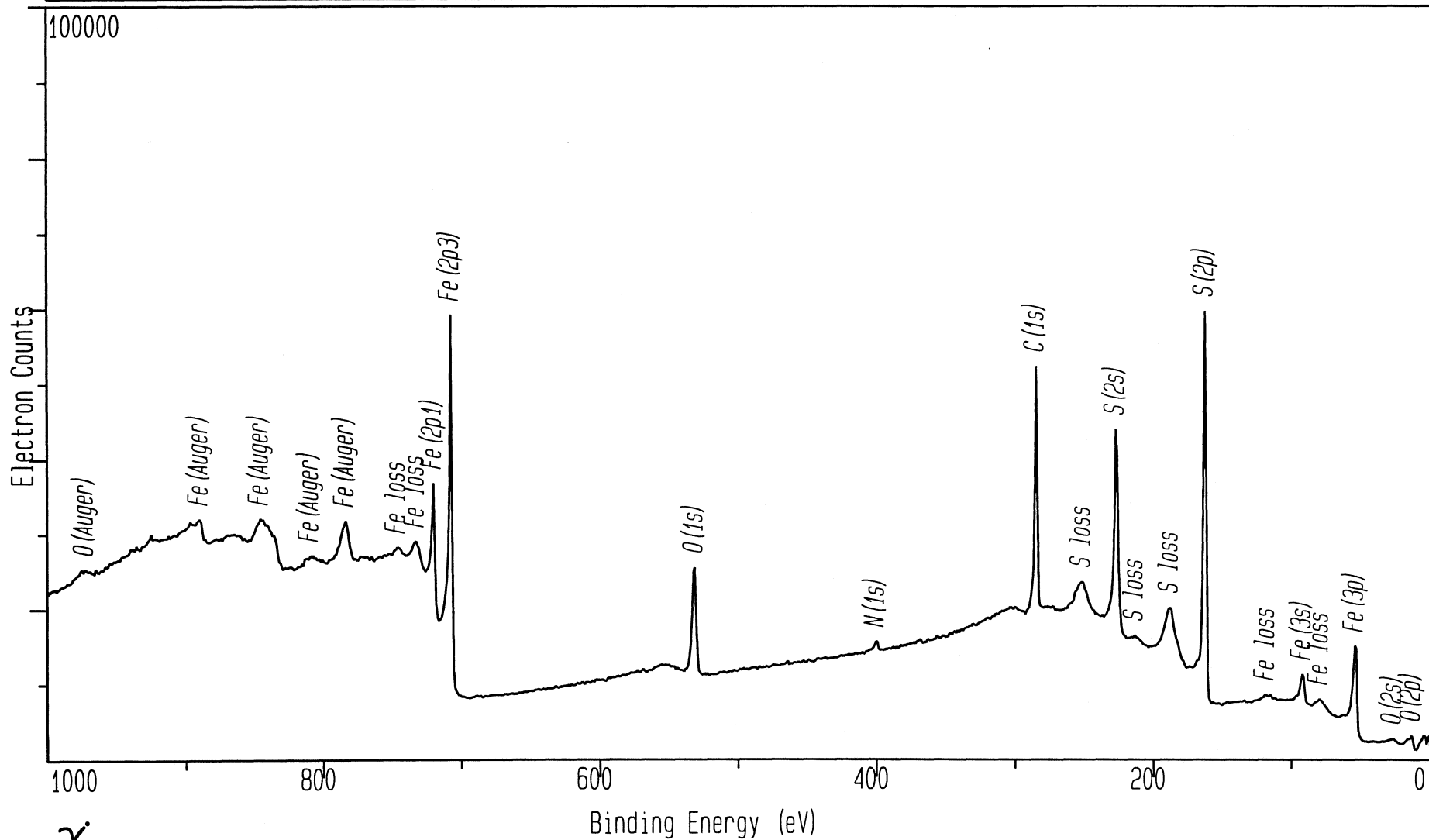
File name: FES2\_01.MRS  
Region: 1  
Description: FeS2 xtl (Pyrite, Mexico) fresh bulk, 80 TOA

Operator: V. Crist  
Date: Fri May 13 07:22 1994

<u>Signal</u>	<u>Corrected</u> <u>BE</u>	<u>Exper.</u> <u>BE</u>	<u>Sens</u> <u>Factor</u>	<u>Norm</u> <u>Area</u>	<u>Relative</u> <u>Area</u>	<u>Atom %</u>
O Auger	972.2	972.2	0.00	3781	0	
FeAuger	889.5	889.5	0.00	14738	0	
FeAuger	845.3	845.3	0.00	10303	0	
FeAuger	809.0	809.0	0.00	5501	0	
FeAuger	783.8	783.8	0.00	19801	0	
Fe loss	746.3	746.3	0.00	2999	0	
Fe loss	733.1	733.1	0.00	8517	0	
Fe2p1	720.3	720.3	3.26	22829	6997	
Fe2p3	707.5	707.5	6.43	64564	10041	
* O 1s	531.7	531.7	2.22	25305	11383	11.83
* N 1s	399.7	399.7	1.60	2493	1563	1.62
* C 1s	284.8	284.8	1.00	38660	38666	40.18
S loss	251.4	251.4	0.00	23317	0	
* S 2s	226.7	226.7	1.51	48059	31831	33.08
S loss	213.3	213.3	0.00	2198	0	
S loss	187.8	187.8	0.00	33671	0	
S 2p	162.5	162.5	1.88	73501	39096	
Fe loss	118.6	118.6	0.00	2754	0	
Fe3s	91.8	91.8	0.89	8837	9936	
Fe loss	79.2	79.2	0.00	4828	0	
* Fe3p	53.4	53.4	2.06	26326	12780	13.28
O 2s	26.3	26.3	0.18	1644	9297	

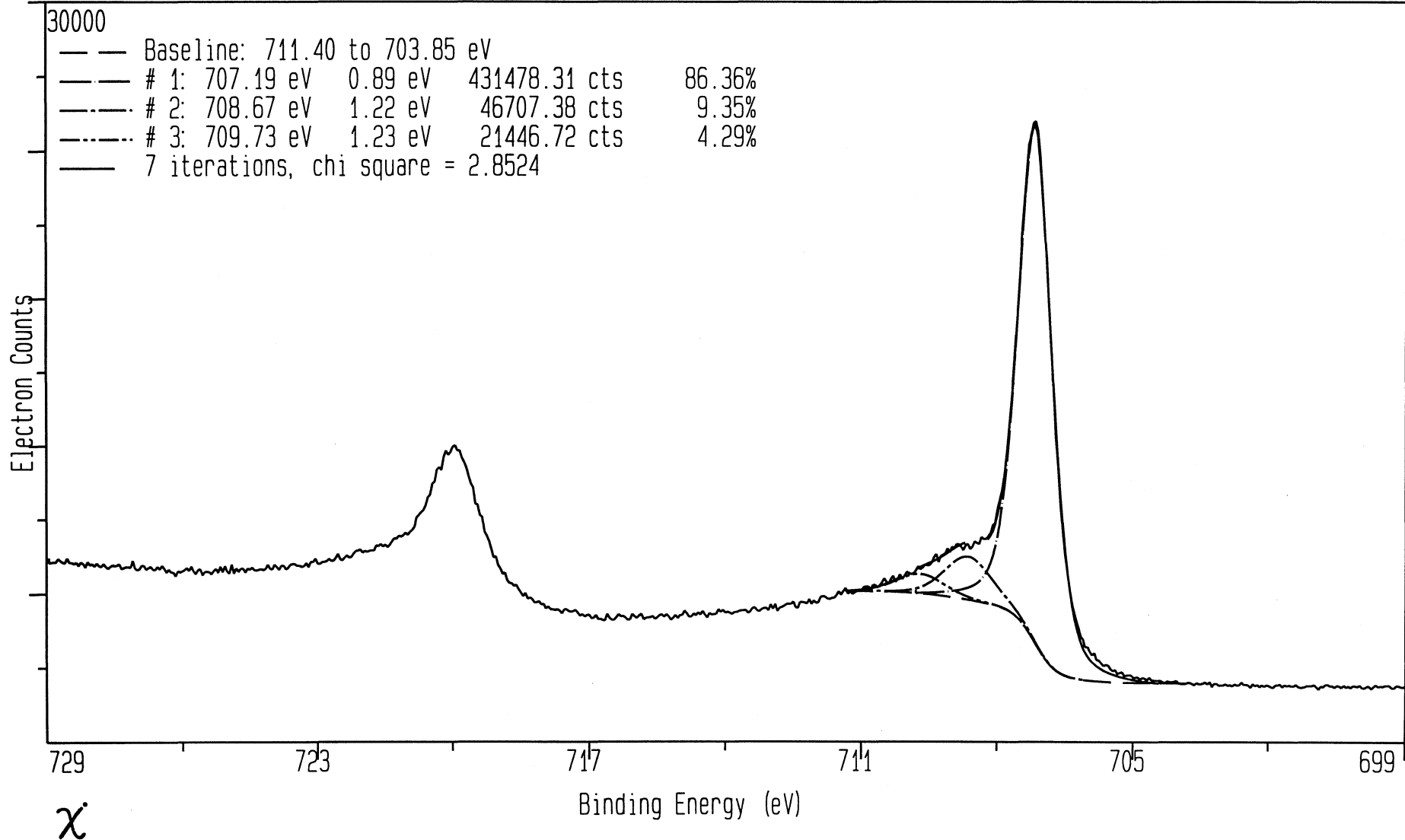
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File: FES2_01	Spot: 250x1000	Flood Gun: Off	Data Points: 1024	Date: May 13 1994
Region: 1	Resolution: 4	Scans, Time: 10	Time/Point: 200	Operator: V. Crist
Description: FeS2 xtl (Pyrite, Mexico) fresh bulk, 80 TOA (null)				

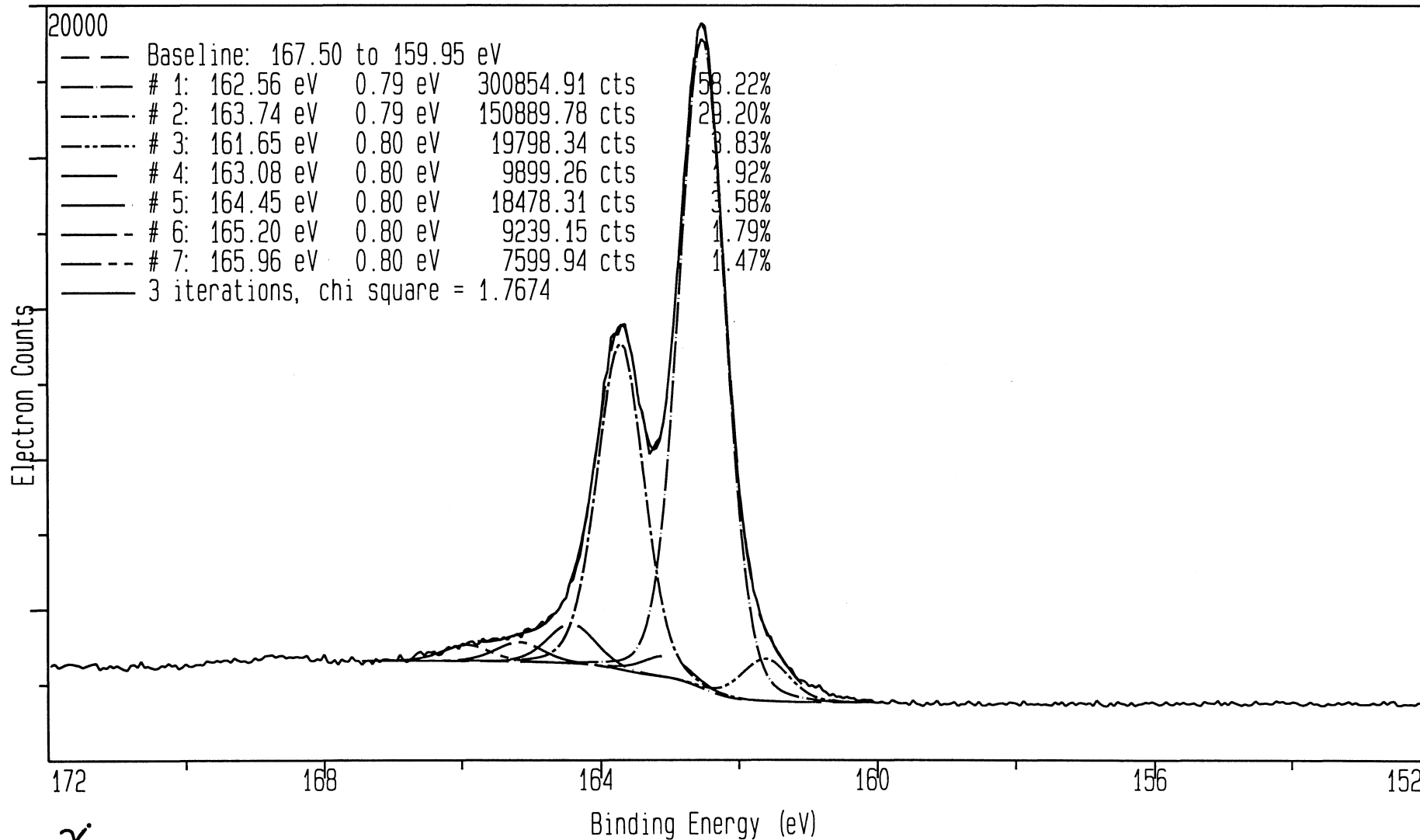


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File: FES2_01	Spot: 250x1000	Flood Gun: Off	Data Points: 601	Date: May 13 1994
Region: 5	Resolution: 2	Scans, Time: 10	Time/Point: 200	Operator: V. Crist
Description: FeS2 xtl (Pyrite, Mexico) fresh bulk, 80 TOA (null)				

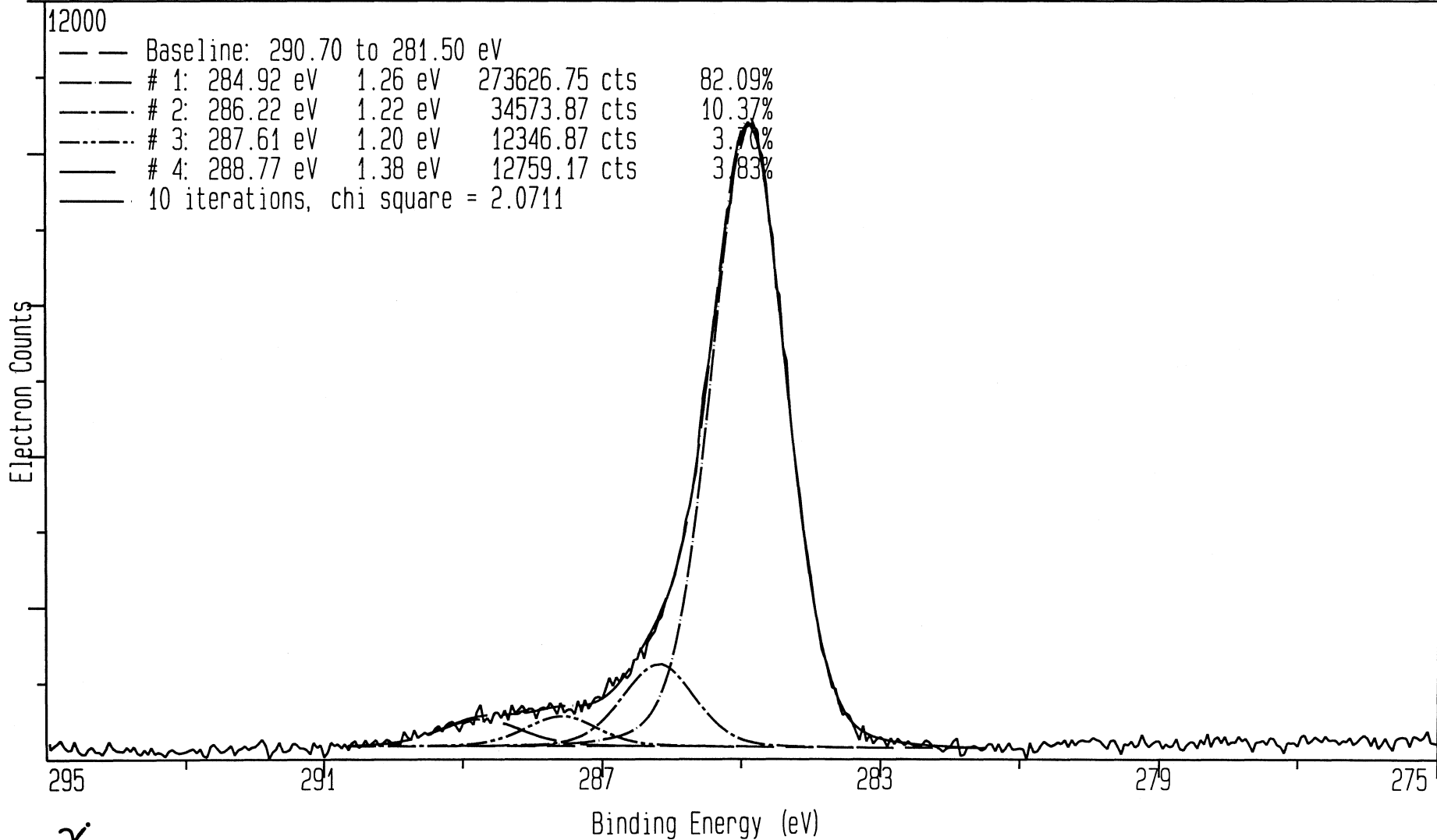


File: FES2_01	Spot: 250x1000	Flood Gun: Off	Data Points: 401	Date: May 13 1994
Region: 7	Resolution: 2	Scans, Time: 10	Time/Point: 200	Operator: V. Crist
Description: FeS2 xtl (Pyrite, Mexico) fresh bulk, 80 TOA (null)				



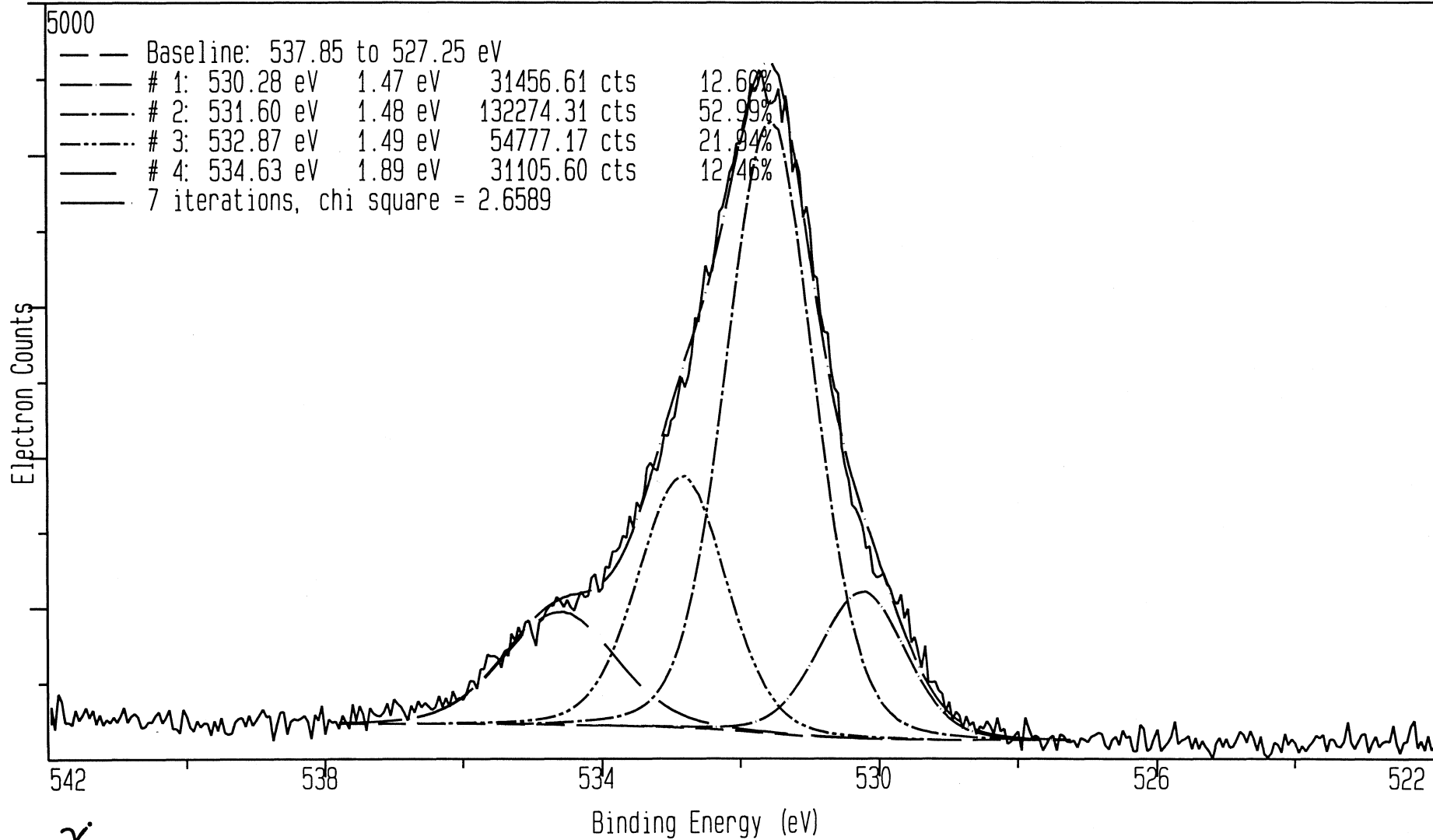
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File: FES2_01	Spot: 250x1000	Flood Gun: Off	Data Points: 401	Date: May 13 1994
Region: 3	Resolution: 2	Scans, Time: 10	Time/Point: 200	Operator: V. Crist
Description: FeS2 xtl (Pyrite, Mexico) fresh bulk, 80 TOA (null)				



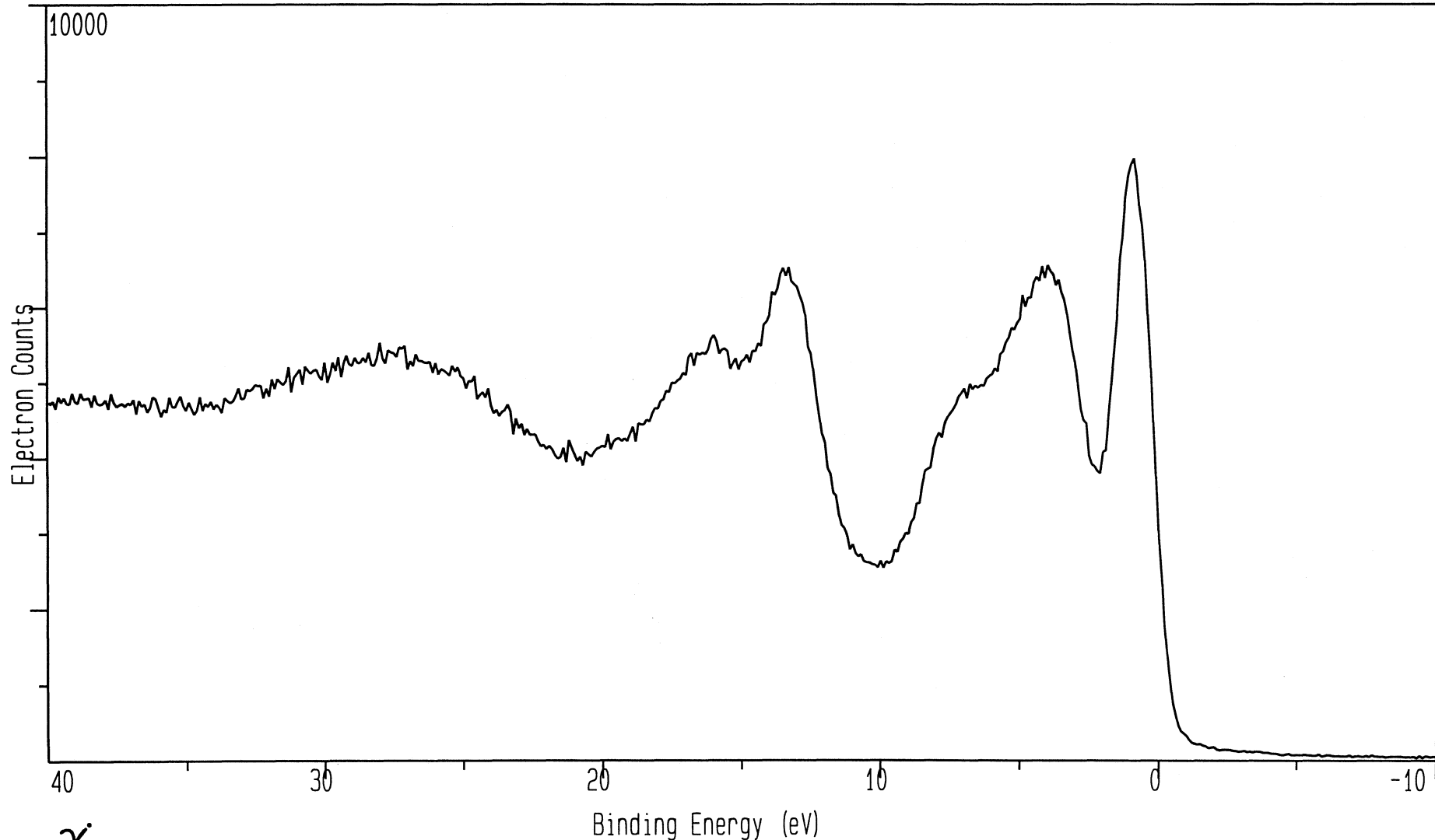
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File: FES2_01	Spot: 250x1000	Flood Gun: Off	Data Points: 401	Date: May 13 1994
Region: 4	Resolution: 2	Scans, Time: 10	Time/Point: 200	Operator: V. Crist
Description: FeS2 xt1 (Pyrite, Mexico) fresh bulk, 80 TOA (null)				



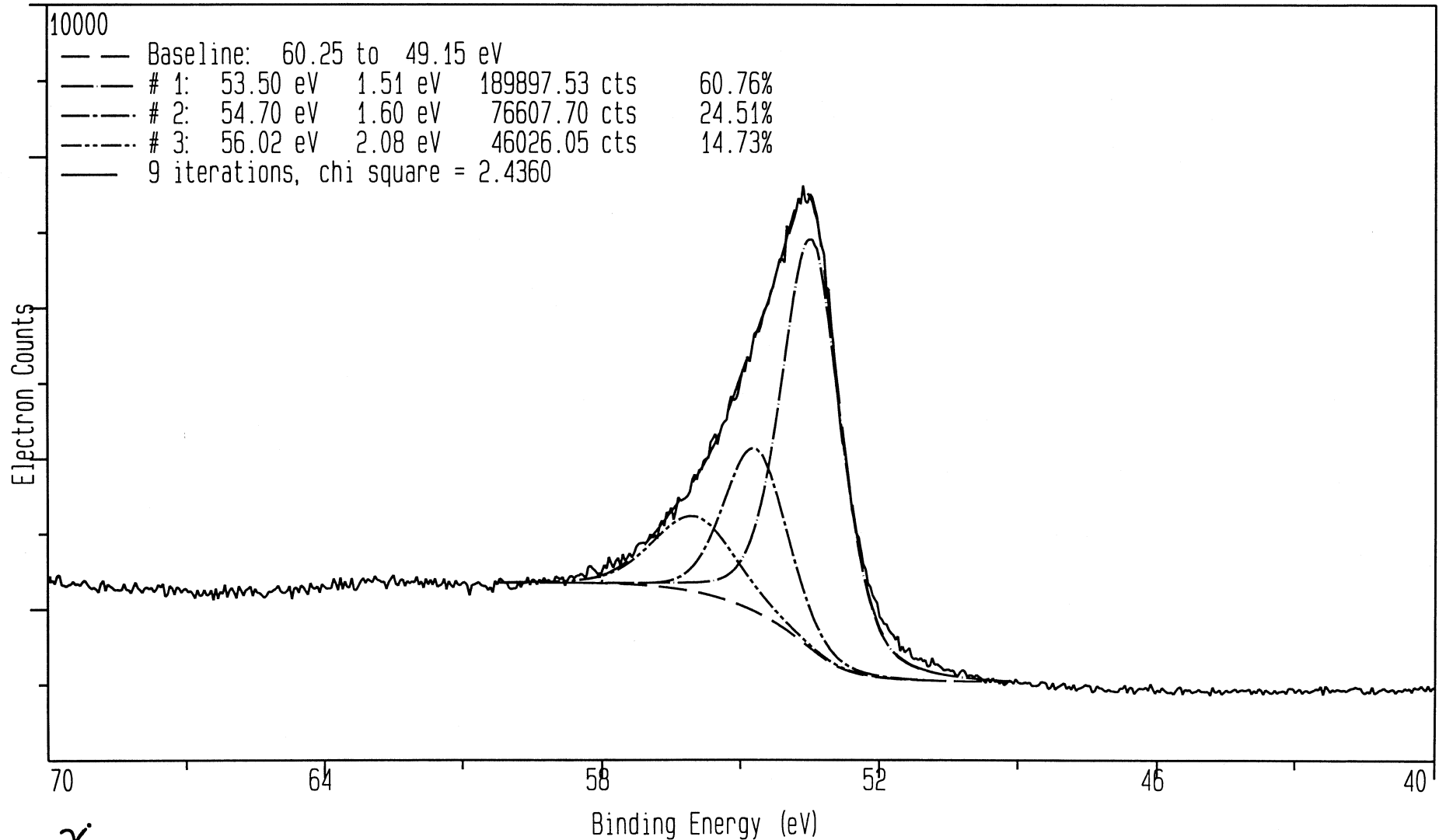
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File: FES2_01	Spot: 250x1000	Flood Gun: Off	Data Points: 501	Date: May 13 1994
Region: 2	Resolution: 4	Scans, Time: 20	Time/Point: 200	Operator: V. Crist
Description: FeS2 xt1 (Pyrite, Mexico) fresh bulk, 80 TOA (null)				



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File: FES2_01	Spot: 250x1000	Flood Gun: Off	Data Points: 601	Date: May 13 1994
Region: 9	Resolution: 2	Scans, Time: 20	Time/Point: 200	Operator: V. Crist
Description: FeS2 xt1 (Pyrite, Mexico) fresh bulk, 80 TOA (null)				



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