All Experimenters Meeting:

MiniBooNE

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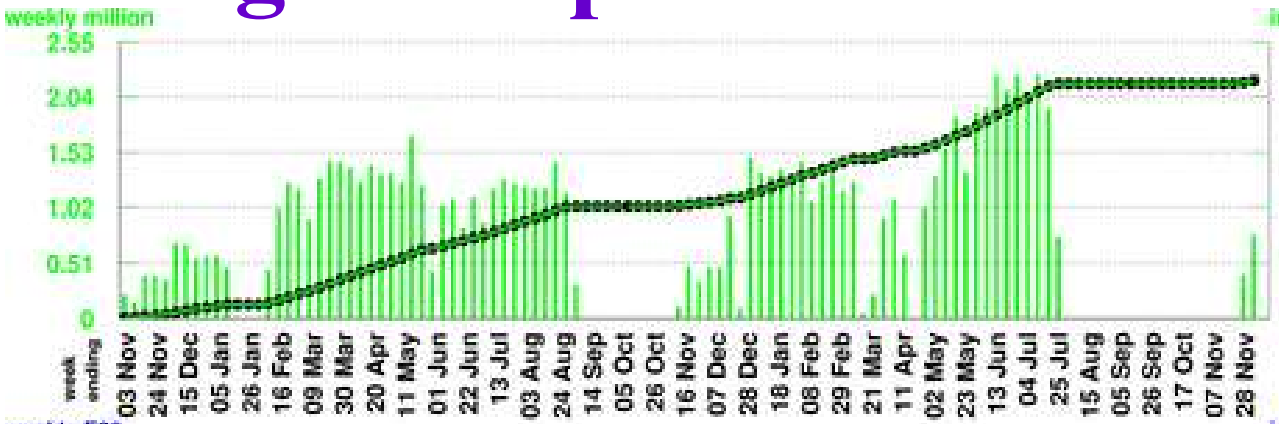
Progress Update

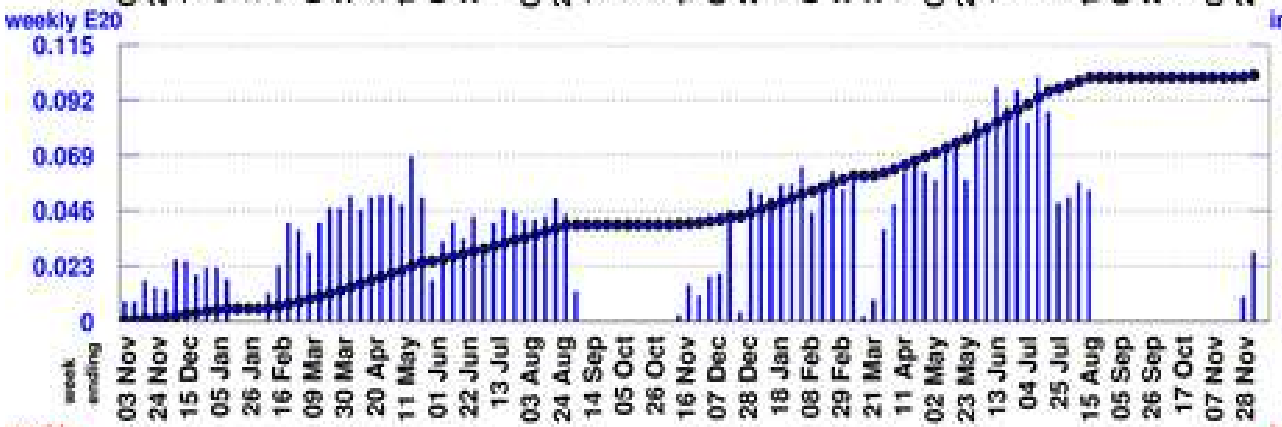


Number of Horn Pulses

To date: 85.97 million

Largest week: 2.25 million

Latest week: 0.78 million

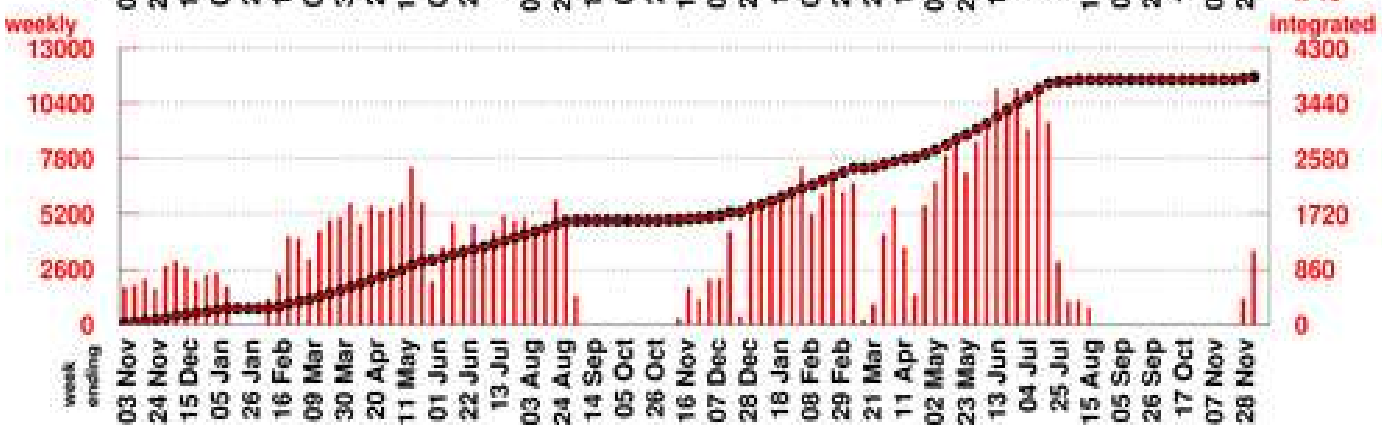


Number of Protons on Target

To date: 3.7001 E20

Largest week: 0.1016 E20

Latest week: 0.0289 E20



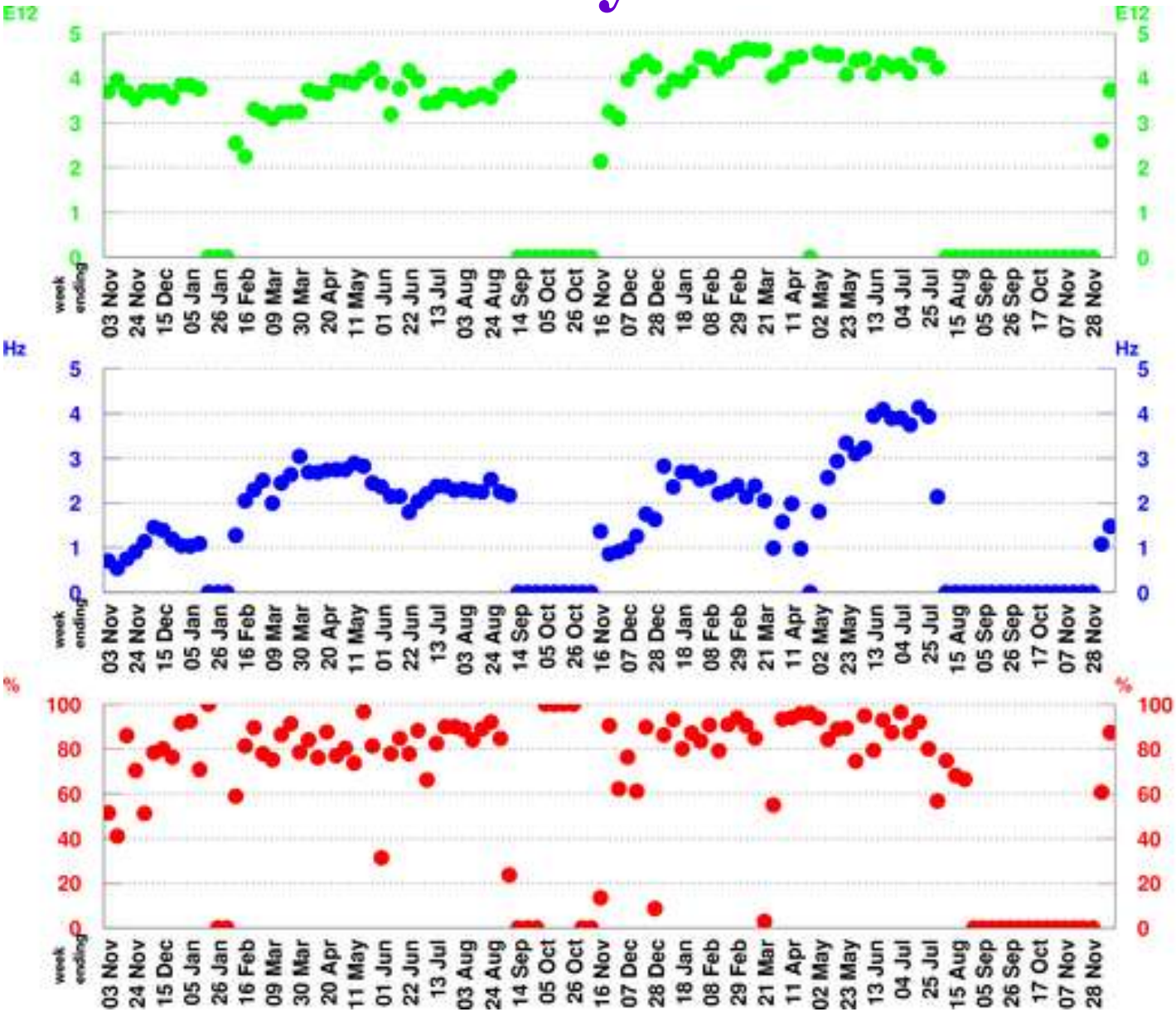
Number of Neutrino Events

To date: 385469

Largest week: 11384

Latest week: 3479

Proton Delivery



POT per Horn Pulse

Largest week: 4.66 E12

Latest week: 3.72 E12

Horn Rate

(for time periods with beam)

Largest week: 4.13 Hz

Latest week: 1.48 Hz

Beam Uptime Fraction

(fraction of time with beam)

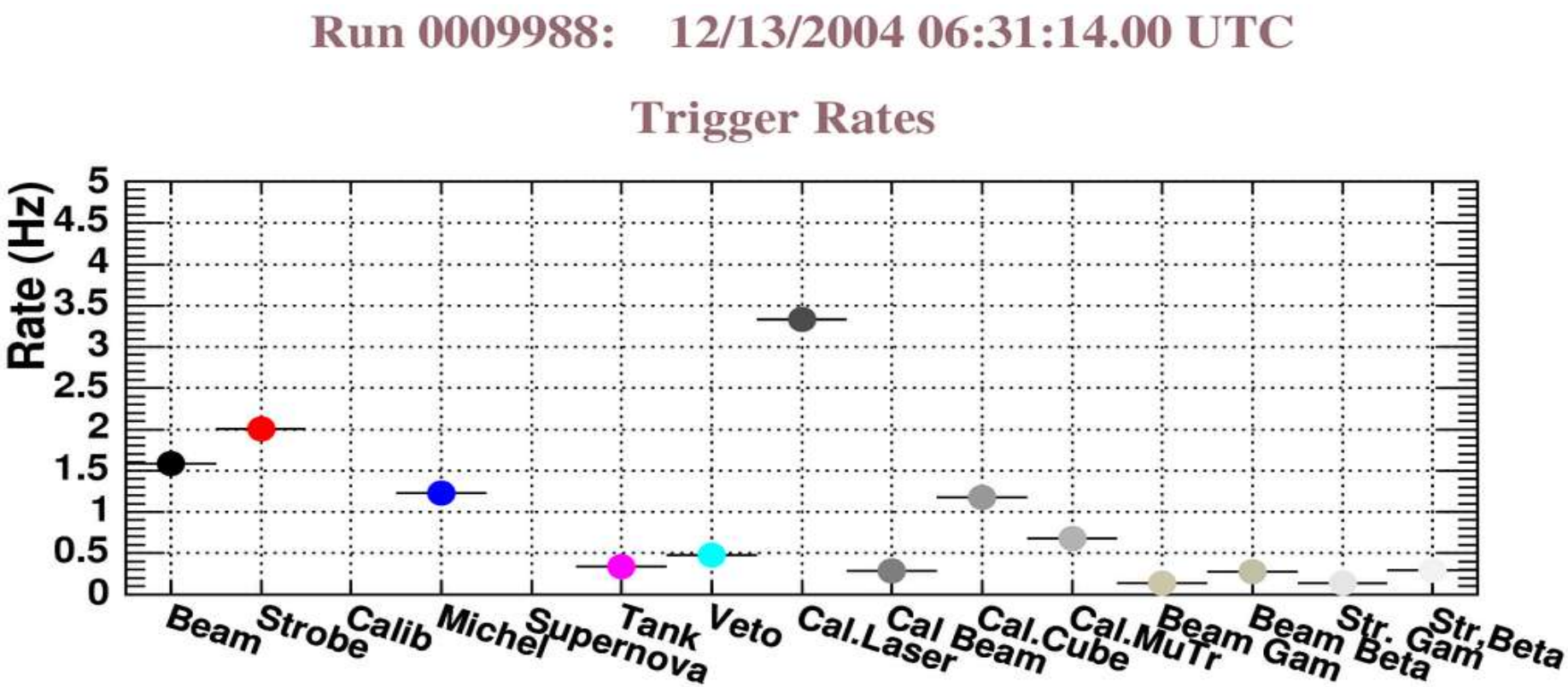
Largest week: 100 %

Latest week: 87.3 %

MiniBooNE Status

- MiniBooNE is ready for all the p.p.h. the Booster can send.
- Rate for last week varied between ~1.3×10^{16}p.p.h. and ~3×10^{16}p.p.h., typically ~2×10^{16}p.p.h..
- Beam uptime efficiency improved to 87.3%.

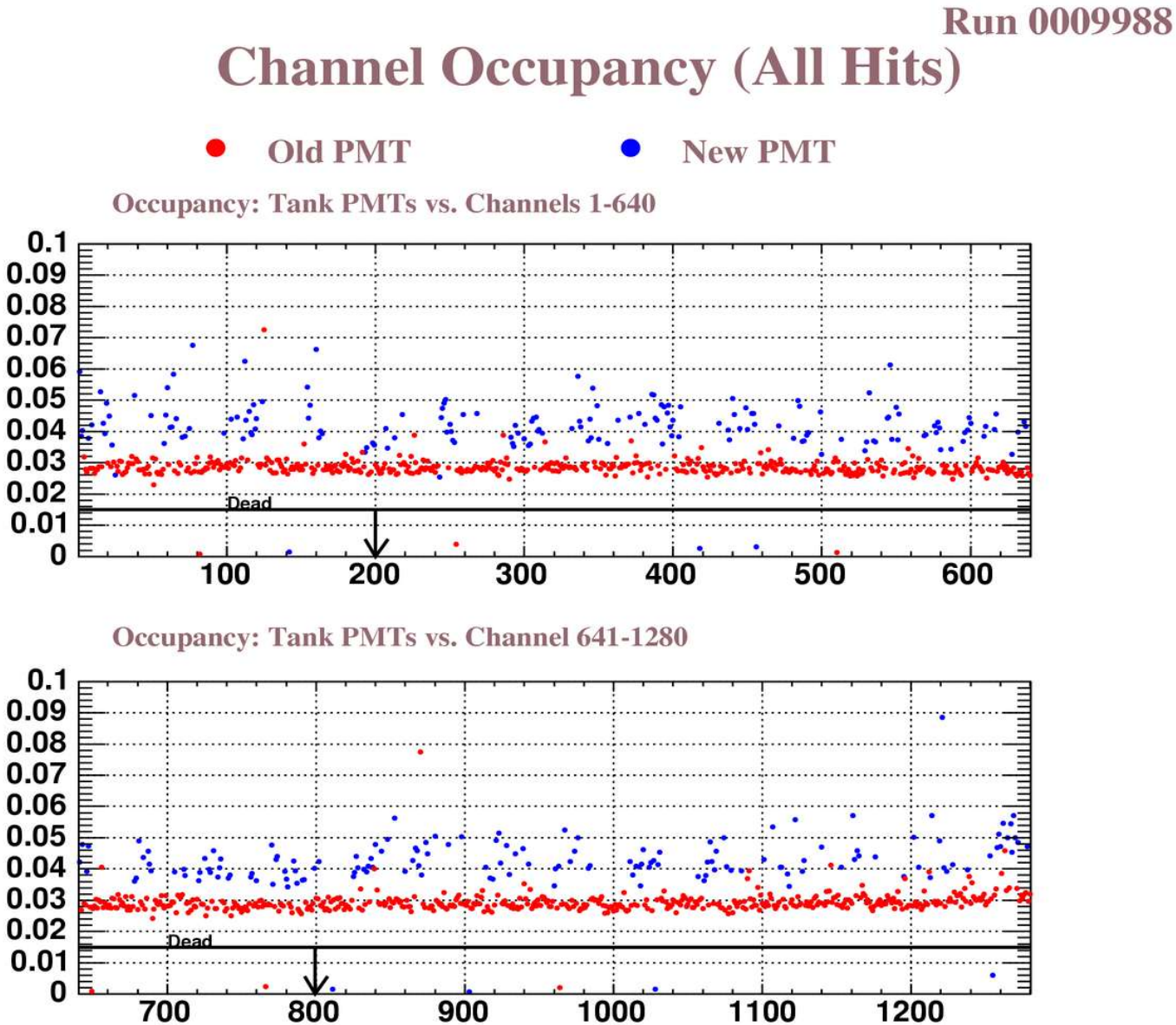
Detector Data Monitoring



- "Nearline" data processing immediately after run end
- Set of summary plots for shifter to examine
- Different event types measured

Detector Data Monitoring

- Occupancy of each tube over the run



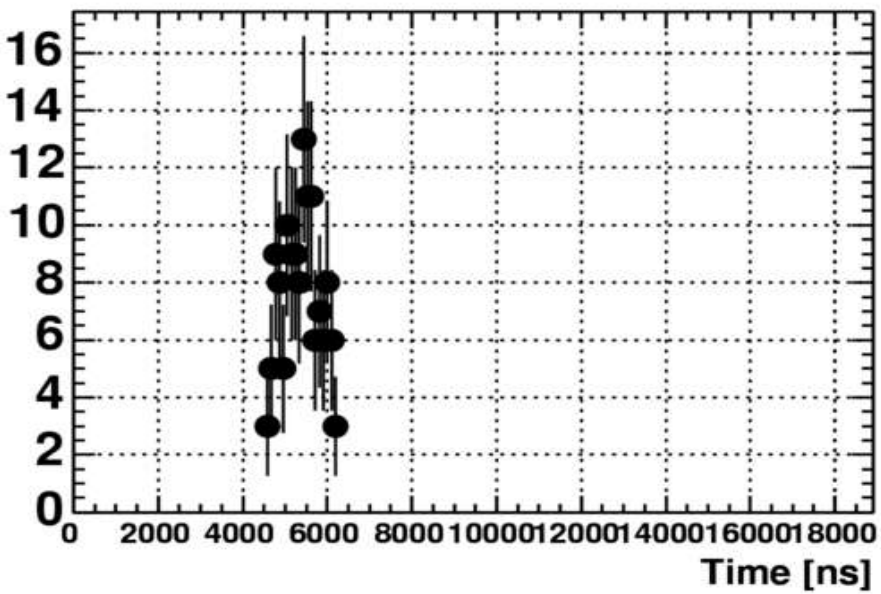
Detector Data Monitoring

- Not-previously-known-dead channels flagged
- Beam timing of neutrino candidates monitored

Run 0009988

Summary of Low Occupancy Channels

Rate < 0.015000 MHz

Known problematic Tank channels					Unknown problematic Tank channels				
DAQ	Crate	Card	Chan.	Rate	DAQ	Crate	Card	Chan.	Rate
82	1	11	2	0.0008+/- 0.0000					
142	2	2	6	0.0014+/- 0.0000					
254	2	16	6	0.0040+/- 0.0000					
418	4	5	2	0.0026+/- 0.0000					
456	4	9	8	0.0030+/- 0.0000					
510	4	16	6	0.0013+/- 0.0000					
649	6	2	1	0.0009+/- 0.0000					
766	6	16	6	0.0023+/- 0.0000					
811	7	6	3	0.0016+/- 0.0000					
903	8	1	7	0.0008+/- 0.0000					
964	8	9	4	0.0020+/- 0.0000					
1028	9	1	4	0.0016+/- 0.0000					
1255	10	13	7	0.0059+/- 0.0000					

Time of nu Candidates with RWM